

KV-2566MW/2966MW

RM-827S

SERVICE MANUAL

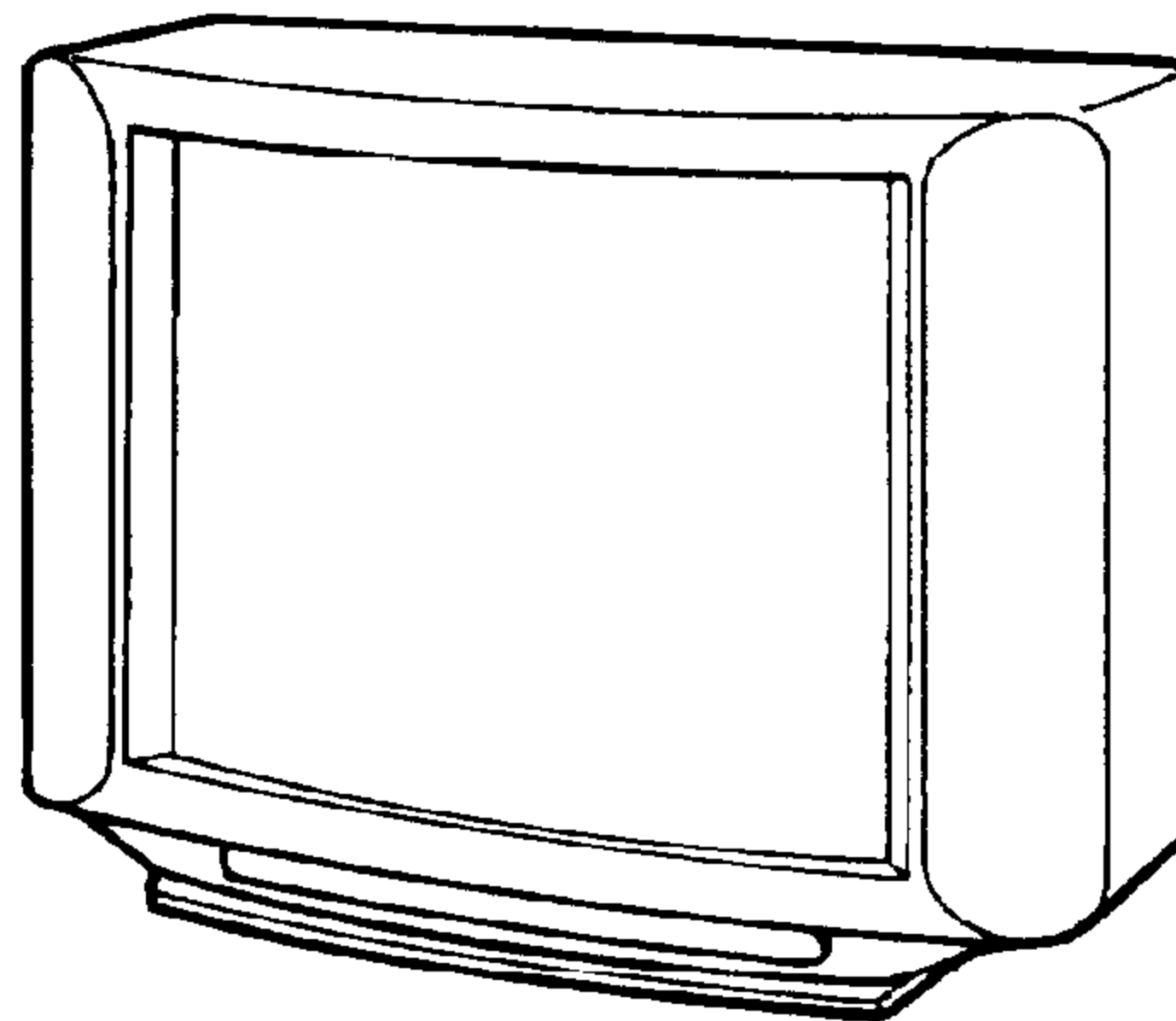
Thailand Model

KV-2566MW

Chassis No. SCC-D29M-A

KV-2966MW

Chassis No. SCC-D29L-A



GP-1A CHASSIS

MODELS OF THE SAME SERIES

KV-2566/2966MW	
KV-2566/2966MNT	

SPECIFICATIONS

Power requirements 110 - 240V AC, 50/60Hz
 Power consumption Indicated on the rear of the TV.
 Color system PAL, PAL60, NTSC_{3.58}, NTSC_{4.43}, SECAM

Television system and Channel coverage

Television system	M	B/G	I	D (CHINA)	D/K
Low VHF band	A2-A6	E2-E4	—	1-5	R1-R5
High VHF band	A7-A13	E5-E12	—	6-12	R6-R12
UHF	A14-A79	E21-E69	B21-B68	13-57	R21-R60
CATV	A-8-W+84	S01-S03 S1-S41	—	—	

Audio output 5W+5W
 SUPER WOOFER speaker :
 15W (100Hz)

Inputs

Antenna 75 - ohms
 VIDEO INPUT jacks : phono jacks
 Video : 1Vp-p, 75 ohms
 Audio : 500 m Vrms,
 high impedance
 S-TERMINAL VIDEO INPUT jack :

Outputs

4-pin DIN
 VIDEO OUTPUT jacks:phono jacks
 Video : 1Vp-p, 75 ohms
 Audio : 500 m Vrms,
 high impedance

Weight

47.0 kg

Model	KV-2566	KV-2966
Picture tube Apporx. cm (inches)	64 (25)	72.4 (29)
Dimensions (w/h/d, mm)	689 × 513 × 494	782 × 577 × 515
Weight (kg)	38	47

Design and specifications are subject to change without notice.



TRINITRON® COLOR TV

SONY®


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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

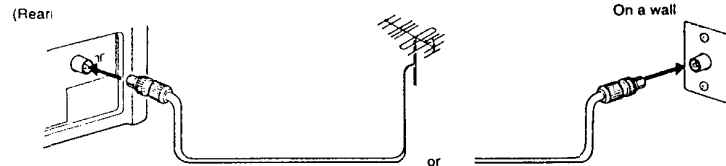
Operating Instructions

Before operating the TV, please read this manual thoroughly and retain it for future reference.

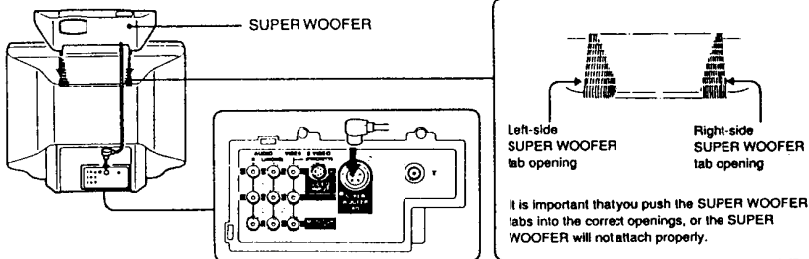
1-1. ANTENNA CONNECTION

To connect a VHF antenna or a combination VHF/UHF antenna - 75-ohm coaxial cable (round)

Plug the connector into the "I" socket of the TV.

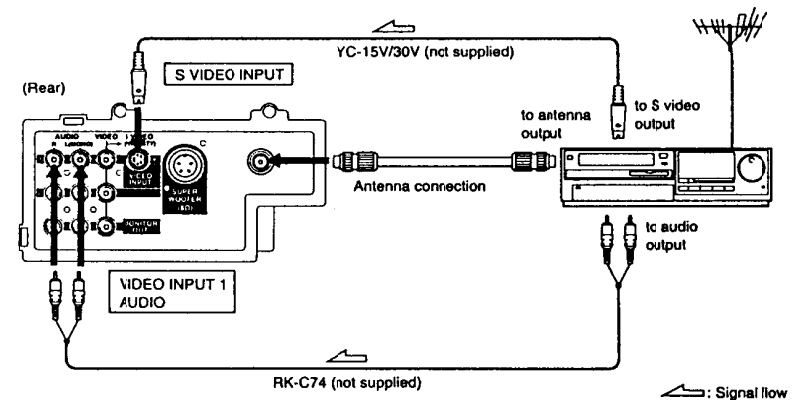


1-2. CONNECTING THE SUPER WOOFER

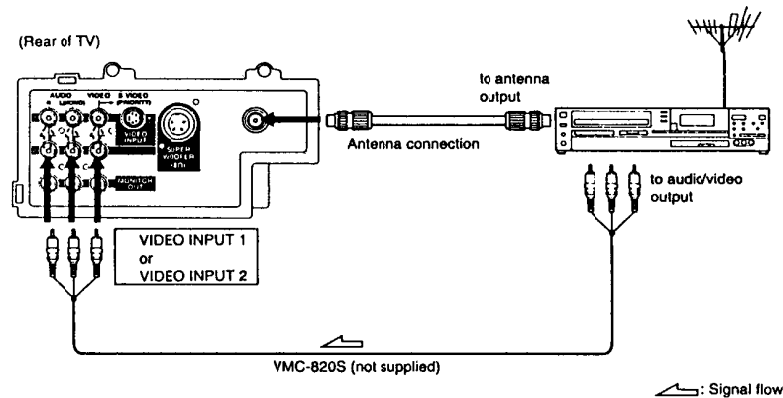


1-3. CONNECTING A VTR OR OTHER EQUIPMENT

Connecting a VTR or Other Equipment Equipped with an S Video Output Jack

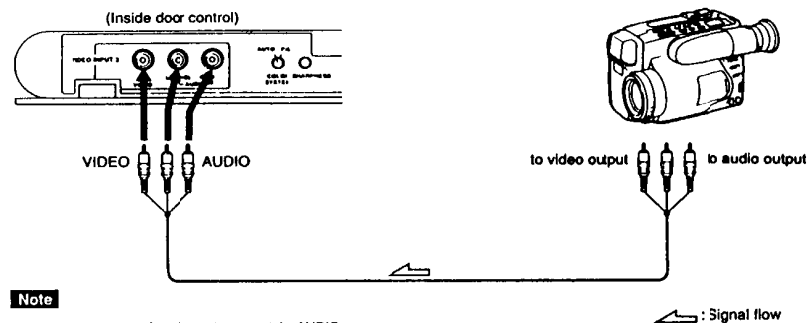


Connecting a VTR or Other Equipment not Equipped with an S Video Output Jack



Connecting a VTR or Camcorder to the VIDEO INPUT Jacks on the Front

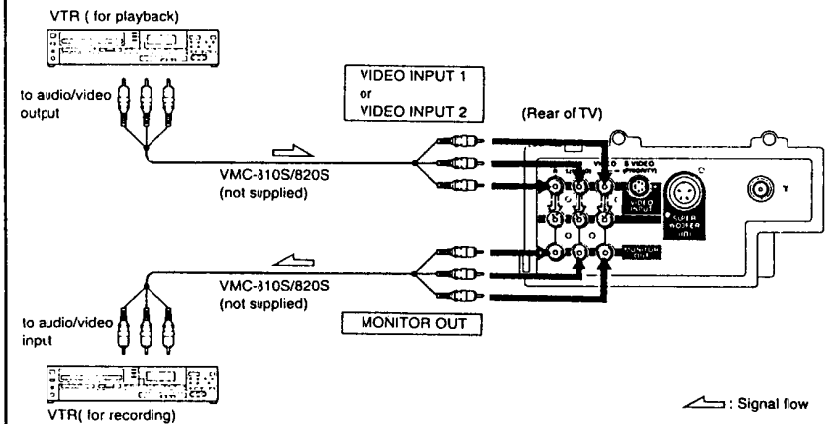
This TV is equipped with 2 sets of VIDEO INPUT 2 jacks. 2 sets are not available to be used at the same time. When using equipment connected, turn off other equipment not in use. For connection, use a commercially available connecting cord.



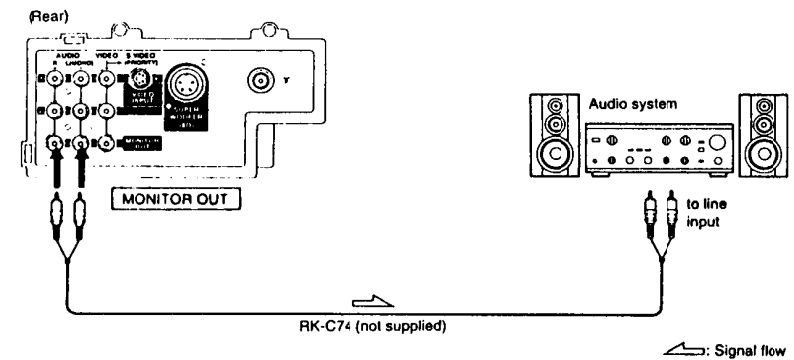
Note

If you connect monaural equipment, connect the AUDIO output of the VTR to L (MONO) jack of VIDEO INPUT 2. The monaural sound will be heard from both speakers.

Connecting two VTRs for Tape Editing



Connecting an Audio System



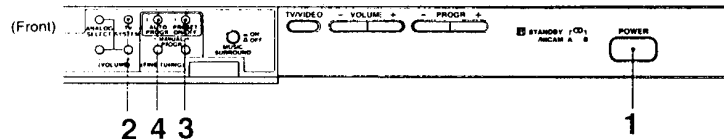
Note

If you connect monaural equipment, connect the equipment to the L (MONO) jack. The monaural sound will be heard from both speakers.

1-4. PRESETTING TV CHANNELS

Presetting TV Channels Automatically

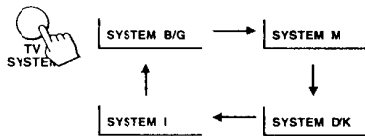
You can preset up to 30 channels automatically to the program position numbers (0 to 29) in numerical sequence from channel number 1.



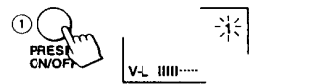
1 Press the POWER button.



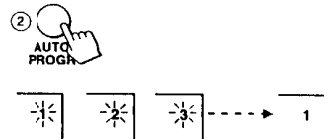
2 Press the TV SYSTEM button to select your local TV system.



3 Press the PRESET ON/OFF button ①.



4 Press the AUTO PROGR button ②.



Manual Presetting

To change the program number for a channel, or to receive a channel of weak signal, preset the channel manually.

Example: To preset a channel in program number 8

1 Press the PRESET ON/OFF button.

2 Press the PROGR +/- buttons until "8" appears.

3 Press the TV SYSTEM button to select your TV system.

4 Press the MANUAL PROGR +/- buttons until the channel you want appears.

5 Press the PRESET ON/OFF button.

To preset other channels
Repeat steps 1 through 5.

Skipping Program Positions

You can skip the unused or undesired program position when you are selecting a program using PROGR +/- buttons.

Example: To skip program position 8

1 Press the PROGR +/- buttons until "8" appears.

2 Press the PRESET ON/OFF button.

3 Press the PIC MOCE button on the Remote Commander.

4 Press the PRESET ON/OFF button.

To skip other channels
Repeat steps 1 through 3.

To cancel the skip setting
Preset a channel onto the position number, following the steps in "Presetting TV channels automatically" or "Presetting channels directly".

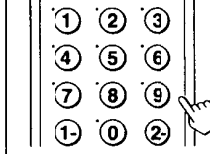
1-5. WATCHING THE TV

To switch on or off the TV



The TV power is turned on or turned off completely.

To select a channel



To select 8

To select 10

To select 25

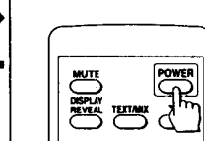
or

PROGR/PAGE

To adjust the volume

VOL

To set the TV to standby mode



To turn on the TV, press the POWER button again or press the channel number buttons or the PROGR +/- buttons.

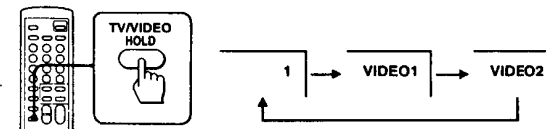
Note

You can also use the buttons on the TV that have the same function.

1-6. WATCHING THE VIDEO INPUT

1 Press the TV/VIDEO button on the Remote Commander.

2 Set the VTR to playback mode.



To return to TV mode

Press the TV/VIDEO button, the channel number buttons, or PROGR +/- buttons.

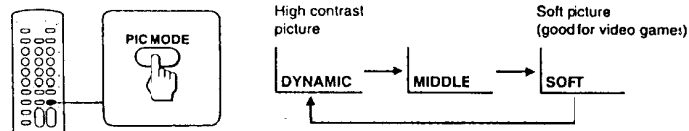
Note

Do not use the VTRs connected to the front and rear A/V connectors simultaneously. When you use a VTR, turn off or disconnect another VTR.

1-7. ADJUSTING THE PICTURE AND SOUND

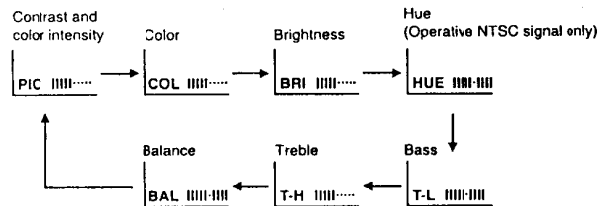
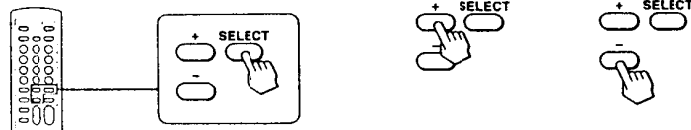
Selecting the Picture Mode

Press the PIC MODE button.



Adjusting the Picture and Sound Quality

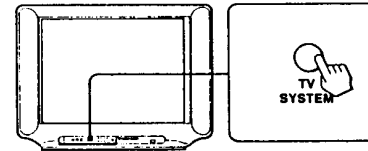
- 1 Select the adjustment item using SELECT button on the Remote Commander (for ANALOG SELECT button on the TV)
- 2 Adjust using the + and - buttons.



Note

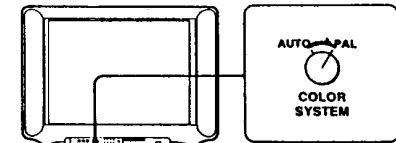
If you change the PIC MODE setting after making the above adjustments, the adjustment changes according to the PIC MODE setting, and COL (color), BRI (brightness) and HUE return to their original factory settings.

To Set TV SYSTEM



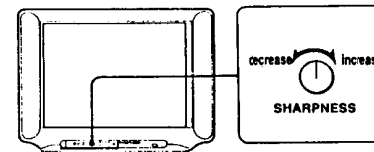
If the sound is distorted or noisy, or color is abnormal while receiving a program through the VHF/UHF terminal, press the TV SYSTEM button until clear sound or normal color is obtained. This setting is retained in the program position.

To Set COLOR SYSTEM



Normally, set COLOR SYSTEM to AUTO. If the color reproduction is abnormal (for example, the picture turns red or blue) while receiving PAL and PAL 60 playback signal, set to PAL. The picture color will become normal.

Adjusting SHARPNESS

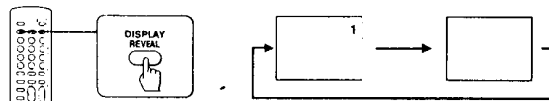


Turn SHARPNESS clockwise to increase sharpness and counterclockwise to decrease sharpness.

1-8. USING CONVENIENT FEATURES

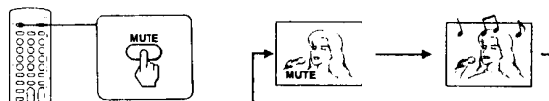
Turning On or Off the On-screen Display

Press the DISPLAY button.



Muting

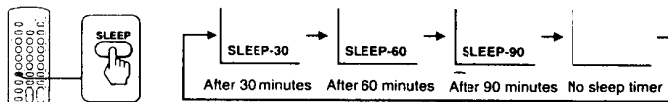
Press the MUTE button.



Setting the Sleep Timer

The TV will be turned off after 30, 60, or 90 minutes.

Press the SLEEP button.



To cancel the sleep timer

Press the SLEEP button until the sleep display disappears.

Setting a MUSIC SURROUND Mode

Set MUSIC SURROUND to ON during a stereo sound reproduction.

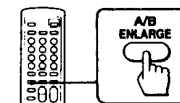
You receive a theatrical audio effect or live concert effect sound.

This function does not work for monaural sound.

Selecting the Sound (Stereo or Bilingual) You Want

Press the A/B/MTS button until you receive the sound you want.

The sound changes and the corresponding indicator lights up as shown in the following table.

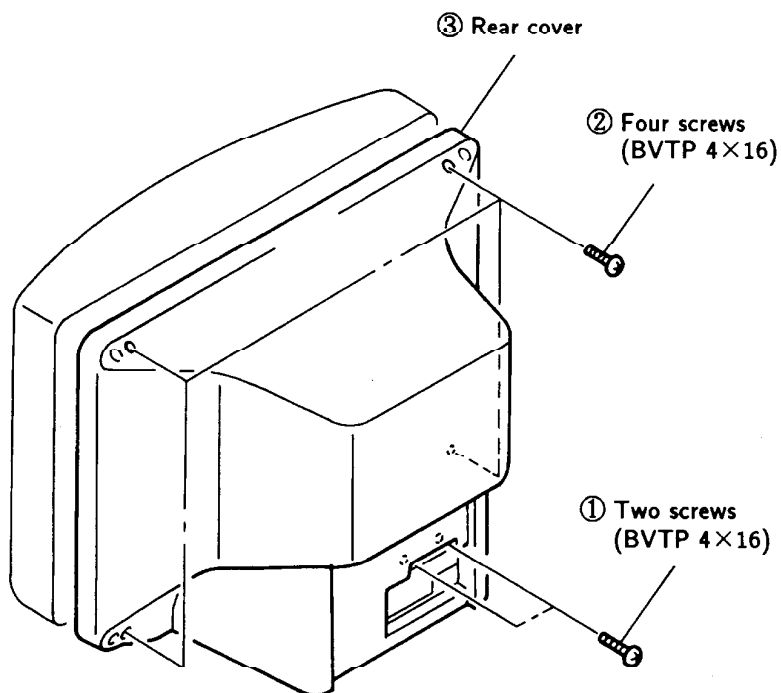


Notes

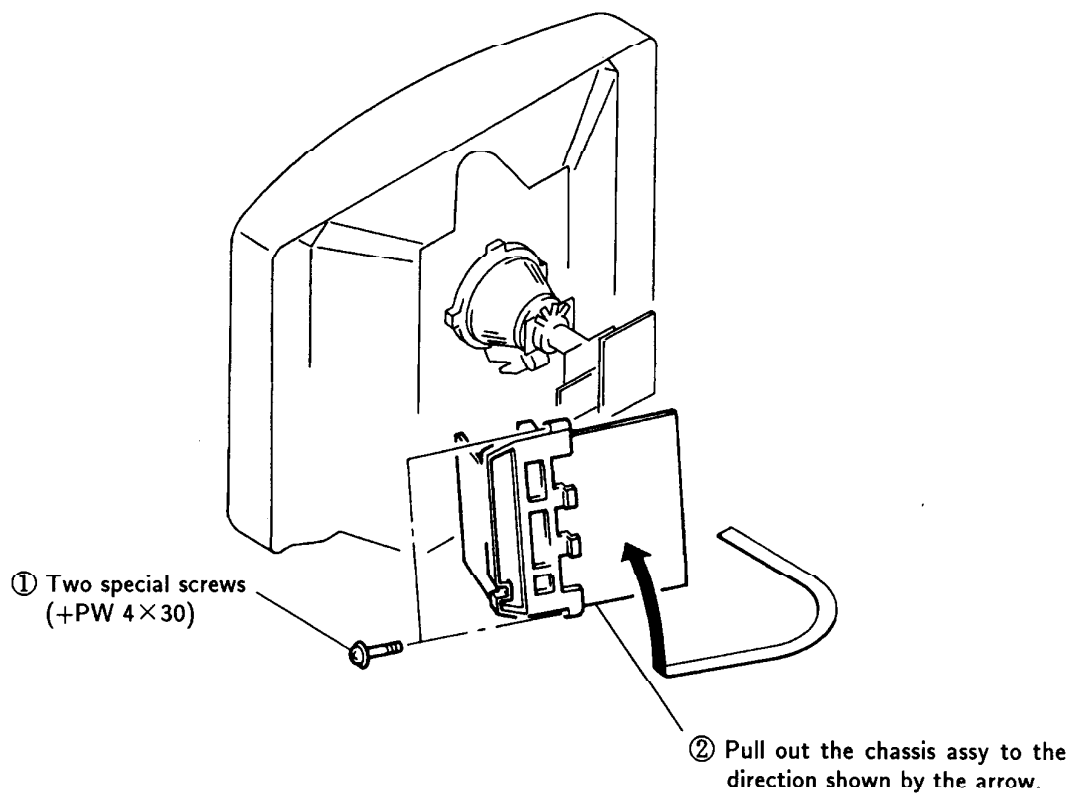
- If the signal is very weak, the sound becomes monaural.
- If the stereo sound is noisy, select "regular" or "mono".
The sound becomes monaural and the noise will be reduced.

SECTION 2 DISASSEMBLY

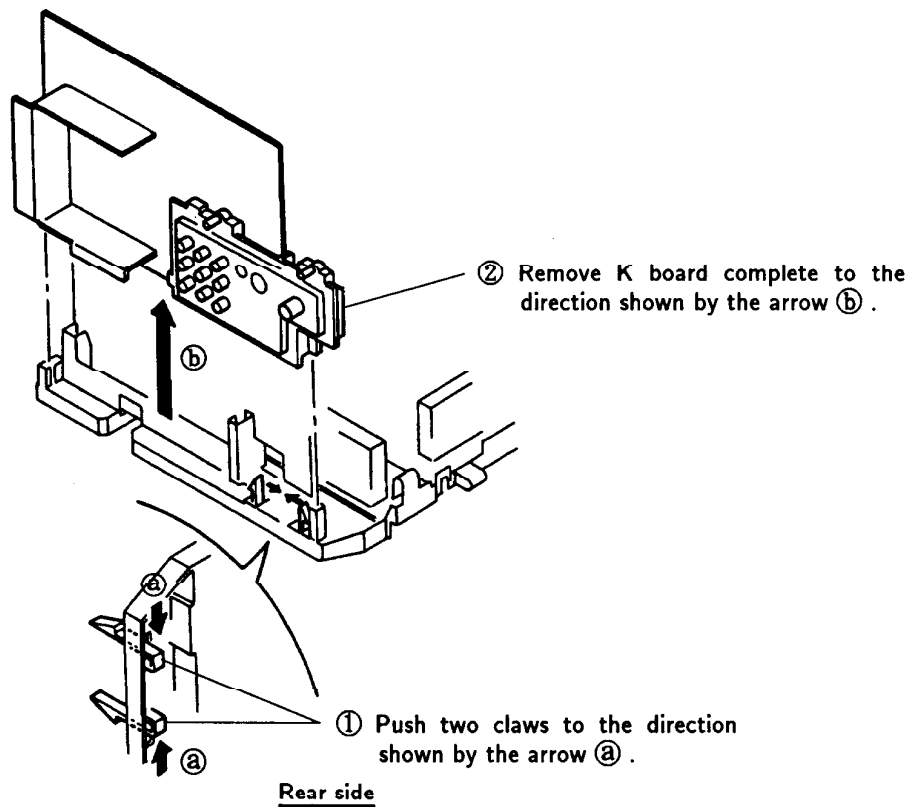
2-1. REAR COVER REMOVAL



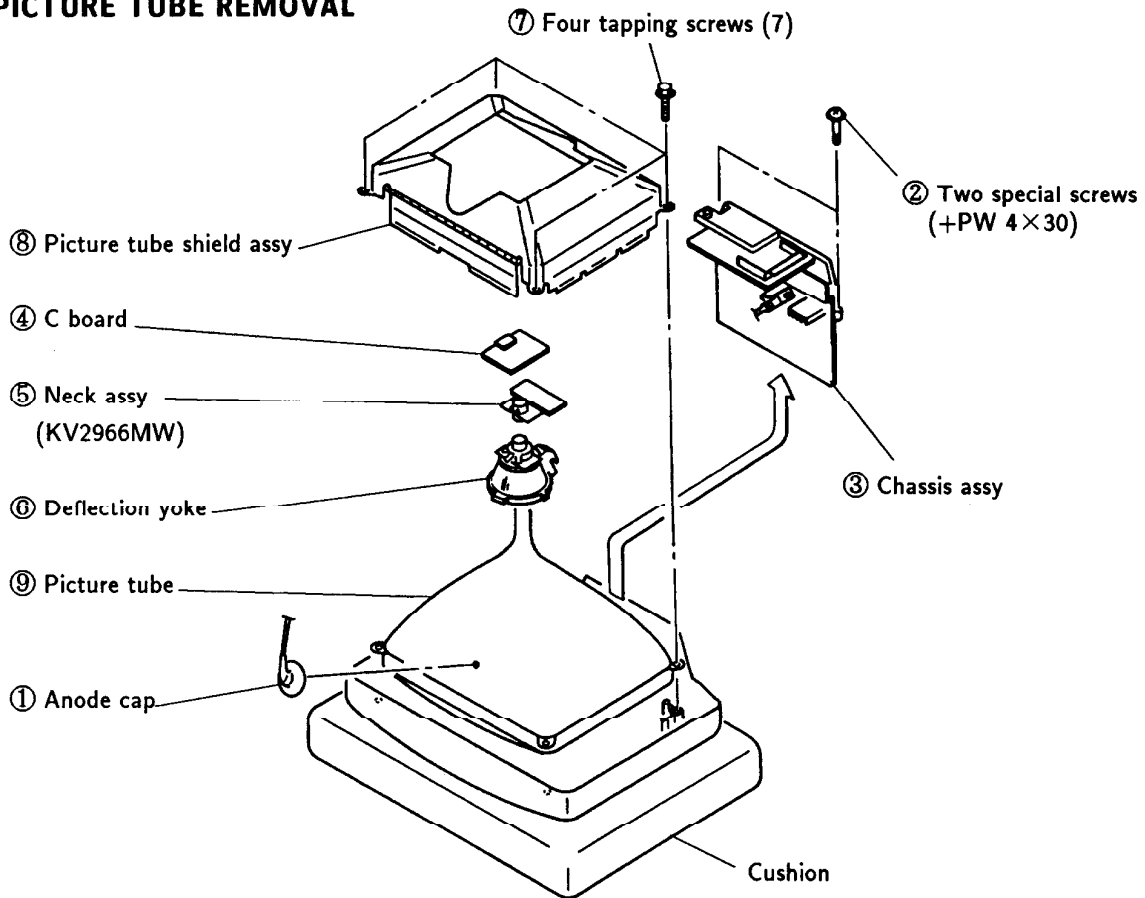
2-2. SERVICE POSITION



2-3. K BOARD REMOVAL



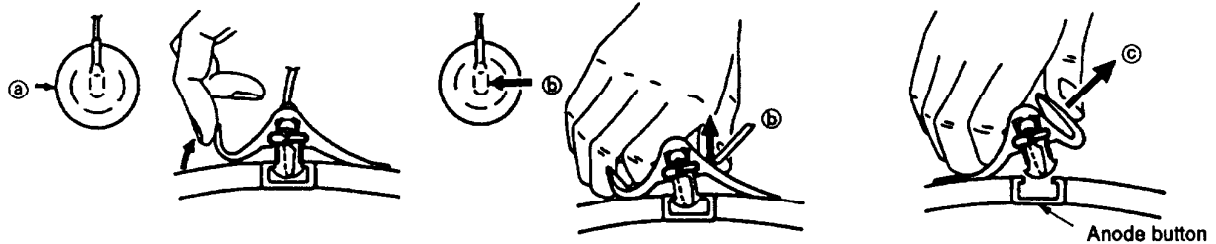
2.4. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

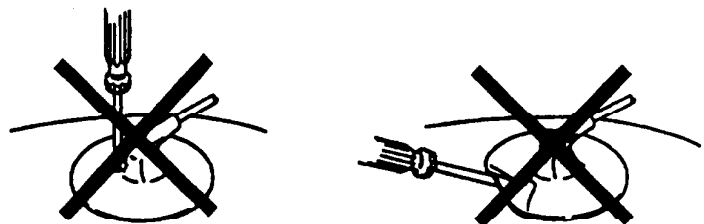
NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVING PROCEDURES



• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

PICTURE control..... normal

BRIGHTNESS control..... normal

Perform the adjustments in order as follows:

Preparations :

- Feed in the white pattern signal.
- Before starting degauss the entire screen.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.
Contrast } normal
Brightness }
2. Position neck ass'y as shown in Fig 3-2.
(29 inch only)
3. Set the pattern generator raster signal to red.
4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.
(See Fig. 3-1 through 3-3.)
5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig. 3-1.)
6. Switch the raster signal to blue, then to green and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
8. If the beam does not land correctly in all the corners, use a magnet to adjust it.
(See Fig. 3-4.)

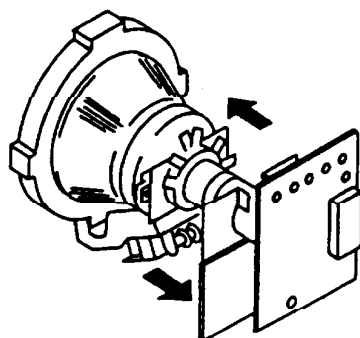


Fig. 3-1

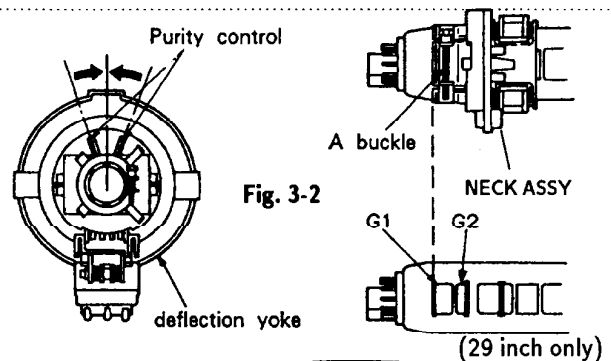


Fig. 3-2

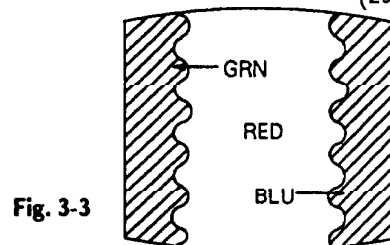


Fig. 3-3

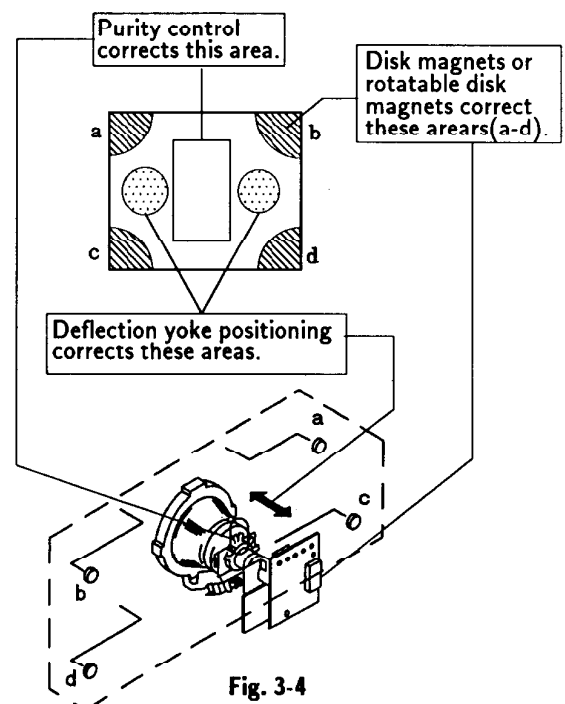


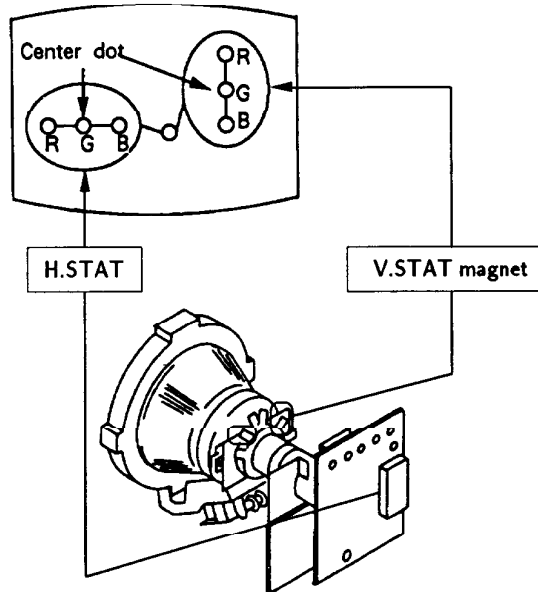
Fig. 3-4

3-2. CONVERGENCE

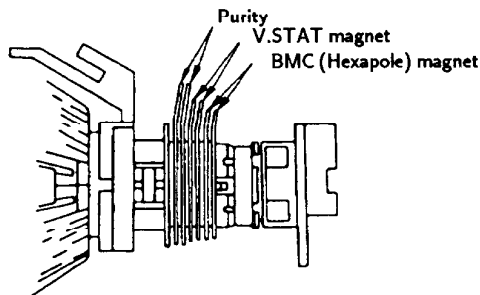
Preparations :

- Before starting perform FOCUS, H.SIZE, V.LIN and V.SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in dot pattern.

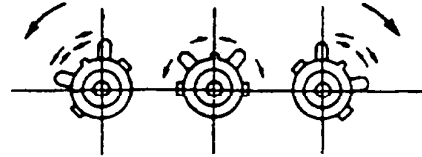
(1) Horizontal and Vertical Static Convergence



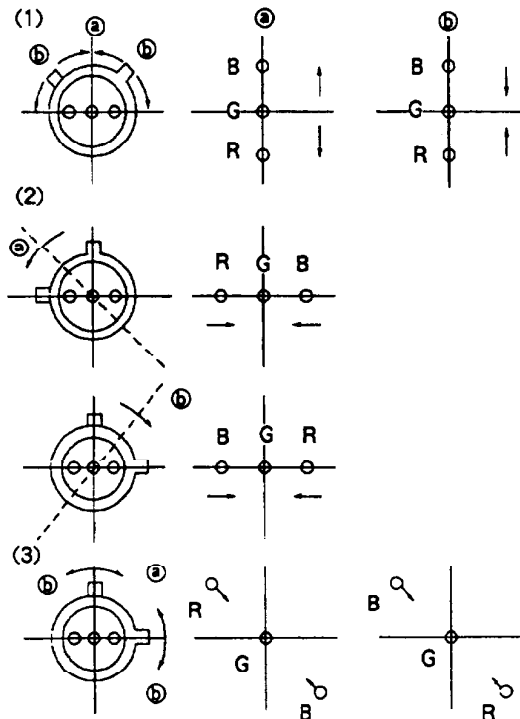
1. Adjust H.STAT VR to converge red , green and blue dots in the center of the screen. (Horizontal movement)
2. Adjust V.STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)
3. If the red, green and blue dots do not converge in the center of the screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)



- Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



4. When the V.STAT magnet is moved in the direction of arrow ㉓ and ㉔ red, green and blue dots move as shown below.

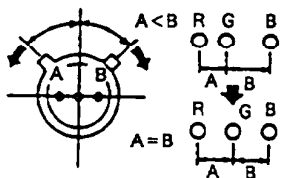


If the blue dot do not Converge with red and green dots, perform following steps.

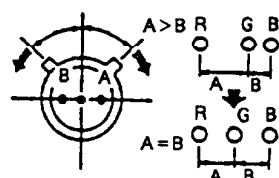
- HMC and VMC correction for BMC (Hexapole) Magnet.

1. HMC (Horizontal Miss Convergence) correction and motion of the Electron Beam with the BMC Magnet.

HMC correction (A)

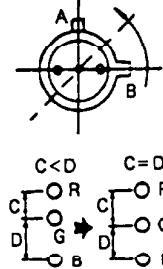


HMC correction (B)

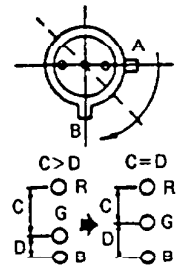


2. VMC (Vertical Miss Convergence) correction and motion of the Electron Beam with the BMC Magnet.

VMC correction (A)



VMC correction (B)



(2) Dynamic Convergence Adjustment

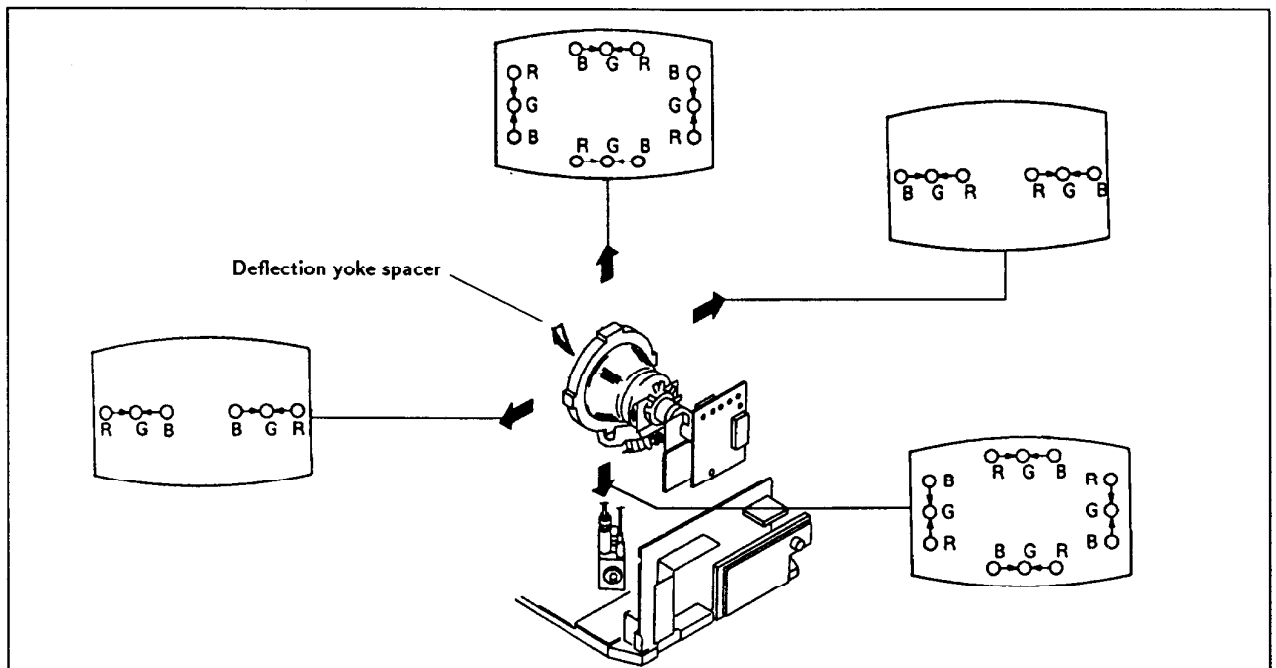
Preparations :

● Before starting perform Horizontal and Vertical static convergence Adjustmet.

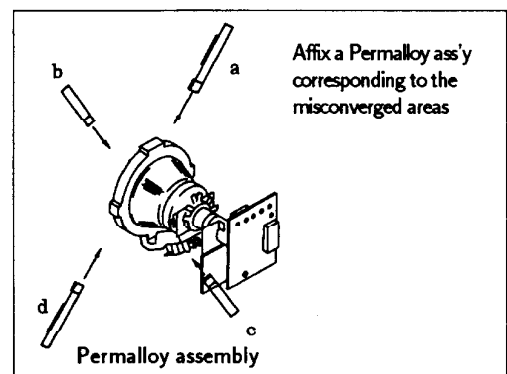
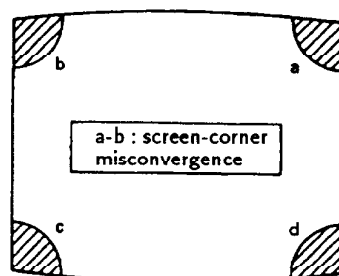
1. Remove deflection yoke spacers.

2. Move the deflection yoke for best convergence as shown below.

3. Install the deflection yoke spacers.



(3) Screen -corner Convergence



3-3. FOCUS

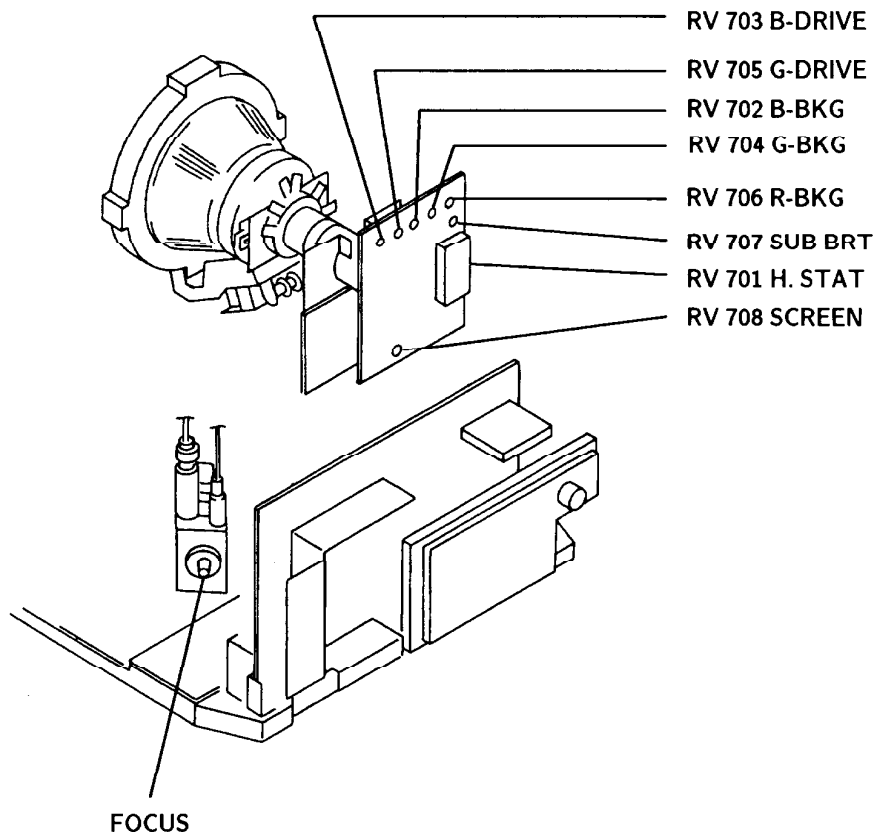
Adjust FOCUS control for best picture.

3-4. SCREEN(G 2) and WHITE BALANCE [SCREEN(G2)]

1. Input dots pattern.
2. Set the PIC control at minimum and set the BRT control at maximum.
3. Confirm the BKG voltage is less than 180 Vdc when turning RV 706 (R.BKG), RV 704 (G.BKG) and RV 702 (B.BKG).
4. Note the color when becomes visible first when turning RV 708 (SCRN).

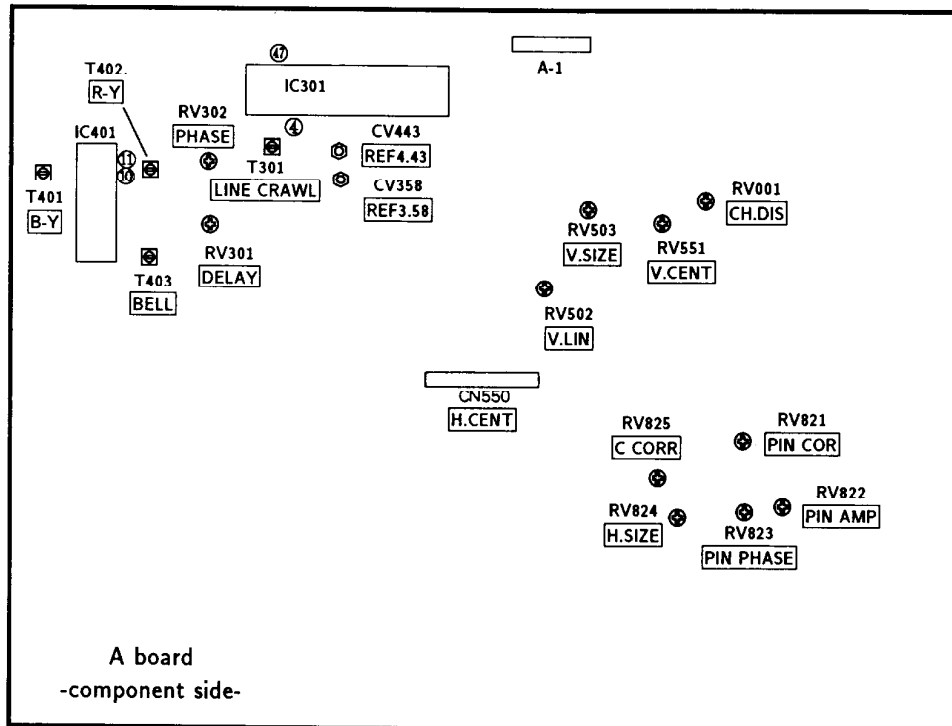
[WHITE BALANCE (Cut off)]

1. Input collar bar signl.
2. Set the PIC control to minimum and set the BRT control at normal.
3. Turn RV 703 (B.DRIVE) and RV 705 (G.DRIVE) fully clockwise.
4. Set RV 706 (R.BKG), RV 704 (G.BKG) and RV 702 (B.BKG) to minimum.
5. Turn RV 707 (SUB BRT) slowly to obtain a faintly visible blue stripe.
6. Switch over all white signal.
7. Adjust BKG controls for best white balance.
8. Set the PICTURE control to maximum. Observe the screen and adjust the DRIVE controls for best white balance.
9. Repeat steps 7 and 8.



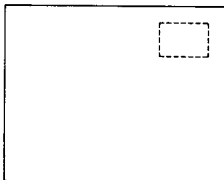
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. A BOARD ADJUSTMENTS



Channel display POSITION ADJUSTMENT (RV001)

1. Set PIC control to maximum.
2. Adjust RV001 so that the channel display should be positioned at up-right on the screen.



A · P · C ADJUSTMENT (CV443) (PAL)

1. Input the PAL color-bar signal.
2. Set the PIC, COL, and BRT controls to normal.
3. Short circuit between pin ④ and pin ④7 of IC301 with jumper.
4. Adjust CV443 for suitable color intensity.
5. Remove a jumper.

REF OSC 3.58 ADJUSTMENT (CV358) (NTSC 3.58)

1. Short circuit between pin ④ and pin ④7 of IC301 with a jumper.
2. Set the PIC, COL and BRT controls to normal.
3. Input NTSC 3.58 color-bar signal.
4. Adjust CV358 for suitable color intensity.
5. Remove the jumper.

ANTI PAL, LINE CRAWLING ADJUSTMENT (RV301, RV302, T301)

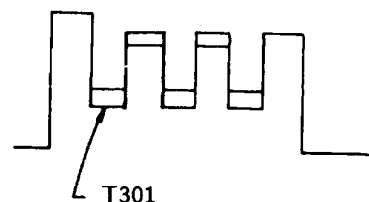
• ANTI PAL ADJUSTMENT

1. Input PAL color-bar signal.
2. Set the PIC, COL and BRT controls to normal.
3. Connect the oscilloscope to pin ③ of A-1 connector.
4. Adjust RV301 (DELAY) and RV302 (PHASE) to obtain the waveform as shown below.

• LINE CRAWLING ADJUSTMENT



1. Input the PAL color-bar signal.
2. Set the PIC, COL and BRT controls to normal.
3. Connect the oscilloscope to pin ③ of A-1 connector.
4. Adjust T301 for minimum line crawling.



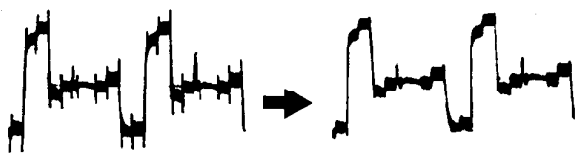
DISCRI ADJUSTMENT (T401,T402)

1. Input the SECAM color-bar signal.
2. Connect the dual-trace oscilloscope to the pin ⑪ (B-Y) and pin ⑩ (R-Y) of IC401.
3. Adjust T402 (R-Y) and T401 (B-Y) as shown the following figure.

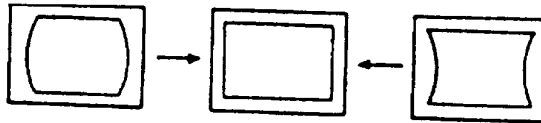


BELL FILTER ADJUSTMENT (T403)

1. Input the SECAM color-bar signal.
2. Connect the oscilloscope to pin ⑩ (R-Y) of IC 401.
3. Adjust T403 as shown the following figure.



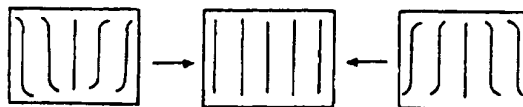
RV822 PIN ANP (PINCUSHION AMPLIFIER)



RV823 PIN PHASE (PINCUSHION PHASE)



RV821 PIN COR (PINCUSHION CORRECT)



RV825 C.CORR(CORNER CORRECT)



RV824 H.SIZE (HORIZONTAL SIZE)



RV503 V.SIZE (VERTICAL SIZE)



RV502 V.LIN (VERTICAL LINEARITY)



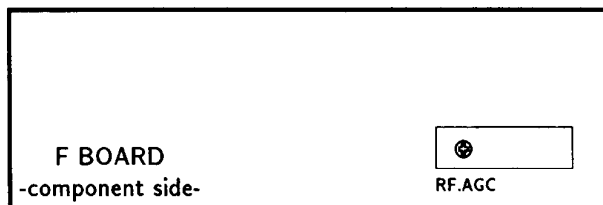
CN550 H.CENT (HORIZONTAL CENTER)



RV551 V.CENT (VERTICAL CENTER)



4-2. F BOARD ADJUSTMENT



RF AGC ADJUSTMENT (IF1)

1. Receive a strong off-air signals.
2. Adjust RF AGC VR control so that snow noise and cross-modulation just disappear from the picture.

5-2. SCHEMATIC DIAGRAM (1)

1	2	3	4
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The schematic diagram illustrates the control section of a television set, featuring several control switches and integrated circuits (ICs).

Control Switches:

- VIDEO-TV:** Includes switches for 5005, 5004, 5003, 5002, and 5001.
- FLUNC:** Includes switches for ANALOG (5009) and TV SYSTEM (5008).
- AUTO:** Includes switches for FINE (5007) and PRESET (5006).

ICs and Components:

- IC005:** KEY-COOSV I. RECE, connected to the TV SYSTEM switch.
- IC003:** ST24C02CP MEMORY, connected to the AUTO switch.
- IC001:** SEL 1222R RESPONSE, connected to the PRESET switch.
- IC002:** DTC124E9 INV, connected to the PRESET switch.
- IC004:** 100 16V, connected to the TV SYSTEM switch.
- IC005:** 100 16V, connected to the TV SYSTEM switch.
- IC006:** 100 16V, connected to the TV SYSTEM switch.
- IC007:** 100 16V, connected to the TV SYSTEM switch.
- IC008:** 100 16V, connected to the TV SYSTEM switch.
- IC009:** 100 16V, connected to the TV SYSTEM switch.
- IC010:** 100 16V, connected to the TV SYSTEM switch.
- IC011:** 100 16V, connected to the TV SYSTEM switch.
- IC012:** 100 16V, connected to the TV SYSTEM switch.
- IC013:** 100 16V, connected to the TV SYSTEM switch.
- IC014:** 100 16V, connected to the TV SYSTEM switch.
- IC015:** 100 16V, connected to the TV SYSTEM switch.
- IC016:** 100 16V, connected to the TV SYSTEM switch.
- IC017:** 100 16V, connected to the TV SYSTEM switch.
- IC018:** 100 16V, connected to the TV SYSTEM switch.
- IC019:** 100 16V, connected to the TV SYSTEM switch.
- IC020:** 100 16V, connected to the TV SYSTEM switch.
- IC021:** 100 16V, connected to the TV SYSTEM switch.
- IC022:** 100 16V, connected to the TV SYSTEM switch.
- IC023:** 100 16V, connected to the TV SYSTEM switch.
- IC024:** 100 16V, connected to the TV SYSTEM switch.
- IC025:** 100 16V, connected to the TV SYSTEM switch.
- IC026:** 100 16V, connected to the TV SYSTEM switch.
- IC027:** 100 16V, connected to the TV SYSTEM switch.
- IC028:** 100 16V, connected to the TV SYSTEM switch.
- IC029:** 100 16V, connected to the TV SYSTEM switch.
- IC030:** 100 16V, connected to the TV SYSTEM switch.
- IC031:** 100 16V, connected to the TV SYSTEM switch.
- IC032:** 100 16V, connected to the TV SYSTEM switch.
- IC033:** 100 16V, connected to the TV SYSTEM switch.
- IC034:** 100 16V, connected to the TV SYSTEM switch.
- IC035:** 100 16V, connected to the TV SYSTEM switch.
- IC036:** 100 16V, connected to the TV SYSTEM switch.
- IC037:** 100 16V, connected to the TV SYSTEM switch.
- IC038:** 100 16V, connected to the TV SYSTEM switch.
- IC039:** 100 16V, connected to the TV SYSTEM switch.
- IC040:** 100 16V, connected to the TV SYSTEM switch.
- IC041:** 100 16V, connected to the TV SYSTEM switch.
- IC042:** 100 16V, connected to the TV SYSTEM switch.
- IC043:** 100 16V, connected to the TV SYSTEM switch.
- IC044:** 100 16V, connected to the TV SYSTEM switch.
- IC045:** 100 16V, connected to the TV SYSTEM switch.
- IC046:** 100 16V, connected to the TV SYSTEM switch.
- IC047:** 100 16V, connected to the TV SYSTEM switch.
- IC048:** 100 16V, connected to the TV SYSTEM switch.
- IC049:** 100 16V, connected to the TV SYSTEM switch.
- IC050:** 100 16V, connected to the TV SYSTEM switch.
- IC051:** 100 16V, connected to the TV SYSTEM switch.
- IC052:** 100 16V, connected to the TV SYSTEM switch.
- IC053:** 100 16V, connected to the TV SYSTEM switch.
- IC054:** 100 16V, connected to the TV SYSTEM switch.
- IC055:** 100 16V, connected to the TV SYSTEM switch.
- IC056:** 100 16V, connected to the TV SYSTEM switch.
- IC057:** 100 16V, connected to the TV SYSTEM switch.
- IC058:** 100 16V, connected to the TV SYSTEM switch.
- IC059:** 100 16V, connected to the TV SYSTEM switch.
- IC060:** 100 16V, connected to the TV SYSTEM switch.
- IC061:** 100 16V, connected to the TV SYSTEM switch.
- IC062:** 100 16V, connected to the TV SYSTEM switch.
- IC063:** 100 16V, connected to the TV SYSTEM switch.
- IC064:** 100 16V, connected to the TV SYSTEM switch.
- IC065:** 100 16V, connected to the TV SYSTEM switch.
- IC066:** 100 16V, connected to the TV SYSTEM switch.
- IC067:** 100 16V, connected to the TV SYSTEM switch.
- IC068:** 100 16V, connected to the TV SYSTEM switch.
- IC069:** 100 16V, connected to the TV SYSTEM switch.
- IC070:** 100 16V, connected to the TV SYSTEM switch.
- IC071:** 100 16V, connected to the TV SYSTEM switch.
- IC072:** 100 16V, connected to the TV SYSTEM switch.
- IC073:** 100 16V, connected to the TV SYSTEM switch.
- IC074:** 100 16V, connected to the TV SYSTEM switch.
- IC075:** 100 16V, connected to the TV SYSTEM switch.
- IC076:** 100 16V, connected to the TV SYSTEM switch.
- IC077:** 100 16V, connected to the TV SYSTEM switch.
- IC078:** 100 16V, connected to the TV SYSTEM switch.
- IC079:** 100 16V, connected to the TV SYSTEM switch.
- IC080:** 100 16V, connected to the TV SYSTEM switch.
- IC081:** 100 16V, connected to the TV SYSTEM switch.
- IC082:** 100 16V, connected to the TV SYSTEM switch.
- IC083:** 100 16V, connected to the TV SYSTEM switch.
- IC084:** 100 16V, connected to the TV SYSTEM switch.
- IC085:** 100 16V, connected to the TV SYSTEM switch.
- IC086:** 100 16V, connected to the TV SYSTEM switch.
- IC087:** 100 16V, connected to the TV SYSTEM switch.
- IC088:** 100 16V, connected to the TV SYSTEM switch.
- IC089:** 100 16V, connected to the TV SYSTEM switch.
- IC090:** 100 16V, connected to the TV SYSTEM switch.
- IC091:** 100 16V, connected to the TV SYSTEM switch.
- IC092:** 100 16V, connected to the TV SYSTEM switch.
- IC093:** 100 16V, connected to the TV SYSTEM switch.
- IC094:** 100 16V, connected to the TV SYSTEM switch.
- IC095:** 100 16V, connected to the TV SYSTEM switch.
- IC096:** 100 16V, connected to the TV SYSTEM switch.
- IC097:** 100 16V, connected to the TV SYSTEM switch.
- IC098:** 100 16V, connected to the TV SYSTEM switch.
- IC099:** 100 16V, connected to the TV SYSTEM switch.
- IC100:** 100 16V, connected to the TV SYSTEM switch.

Power Supply:

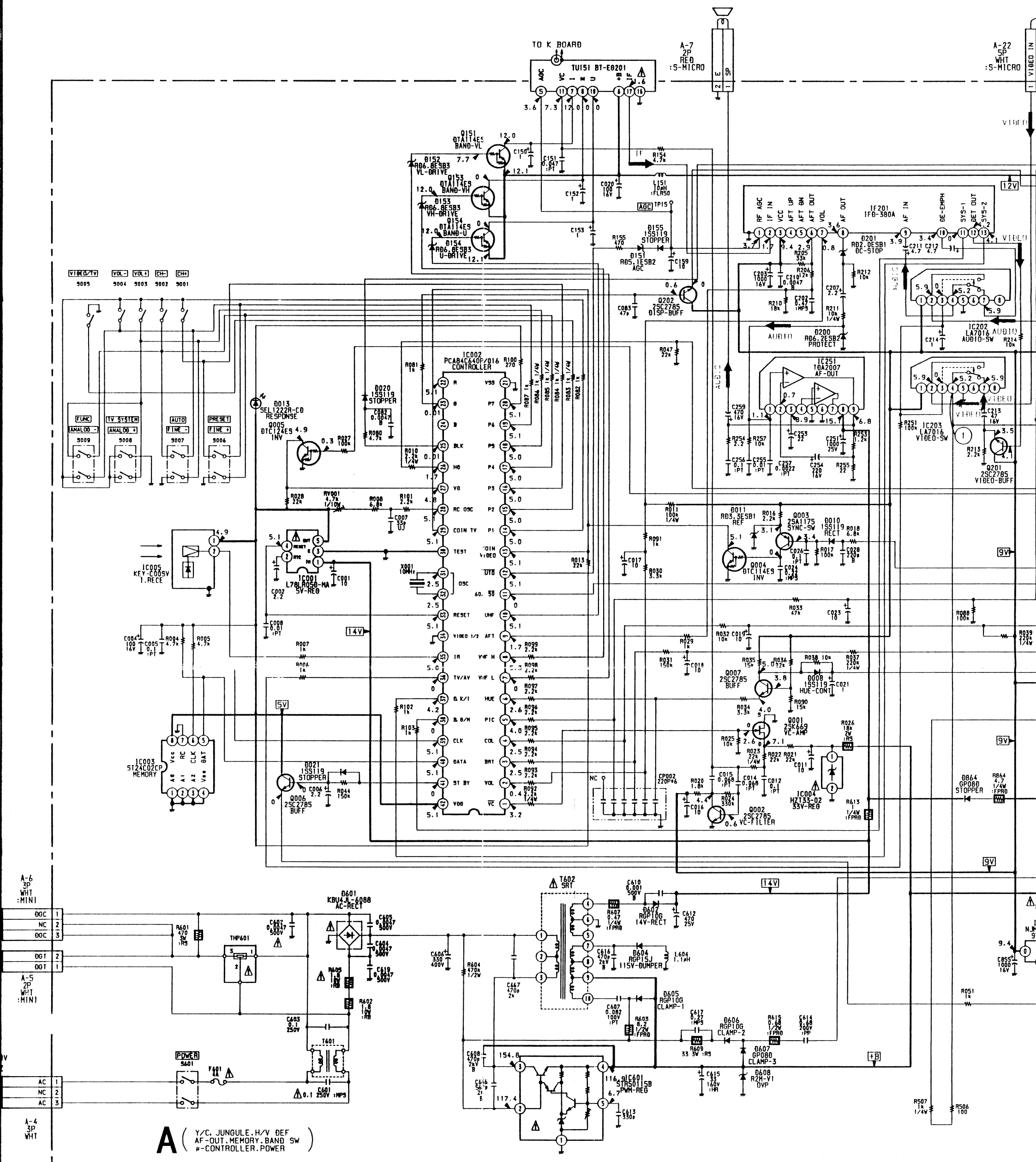
- AC IN:** 110V-240V, 50/60HZ.
- POWER:** 5401, connected to the AC IN.
- 5V:** Connected to the IC003 and IC005.
- 5V:** Connected to the IC001 and IC002.
- 5V:** Connected to the IC004, IC006, IC007, IC008, IC009, IC010, IC011, IC012, IC013, IC014, IC015, IC016, IC017, IC018, IC019, IC020, IC021, IC022, IC023, IC024, IC025, IC026, IC027, IC028, IC029, IC030, IC031, IC032, IC033, IC034, IC035, IC036, IC037, IC038, IC039, IC040, IC041, IC042, IC043, IC044, IC045, IC046, IC047, IC048, IC049, IC050, IC051, IC052, IC053, IC054, IC055, IC056, IC057, IC058, IC059, IC060, IC061, IC062, IC063, IC064, IC065, IC066, IC067, IC068, IC069, IC070, IC071, IC072, IC073, IC074, IC075, IC076, IC077, IC078, IC079, IC080, IC081, IC082, IC083, IC084, IC085, IC086, IC087, IC088, IC089, IC090, IC091, IC092, IC093, IC094, IC095, IC096, IC097, IC098, IC099, IC100.

Connectors:

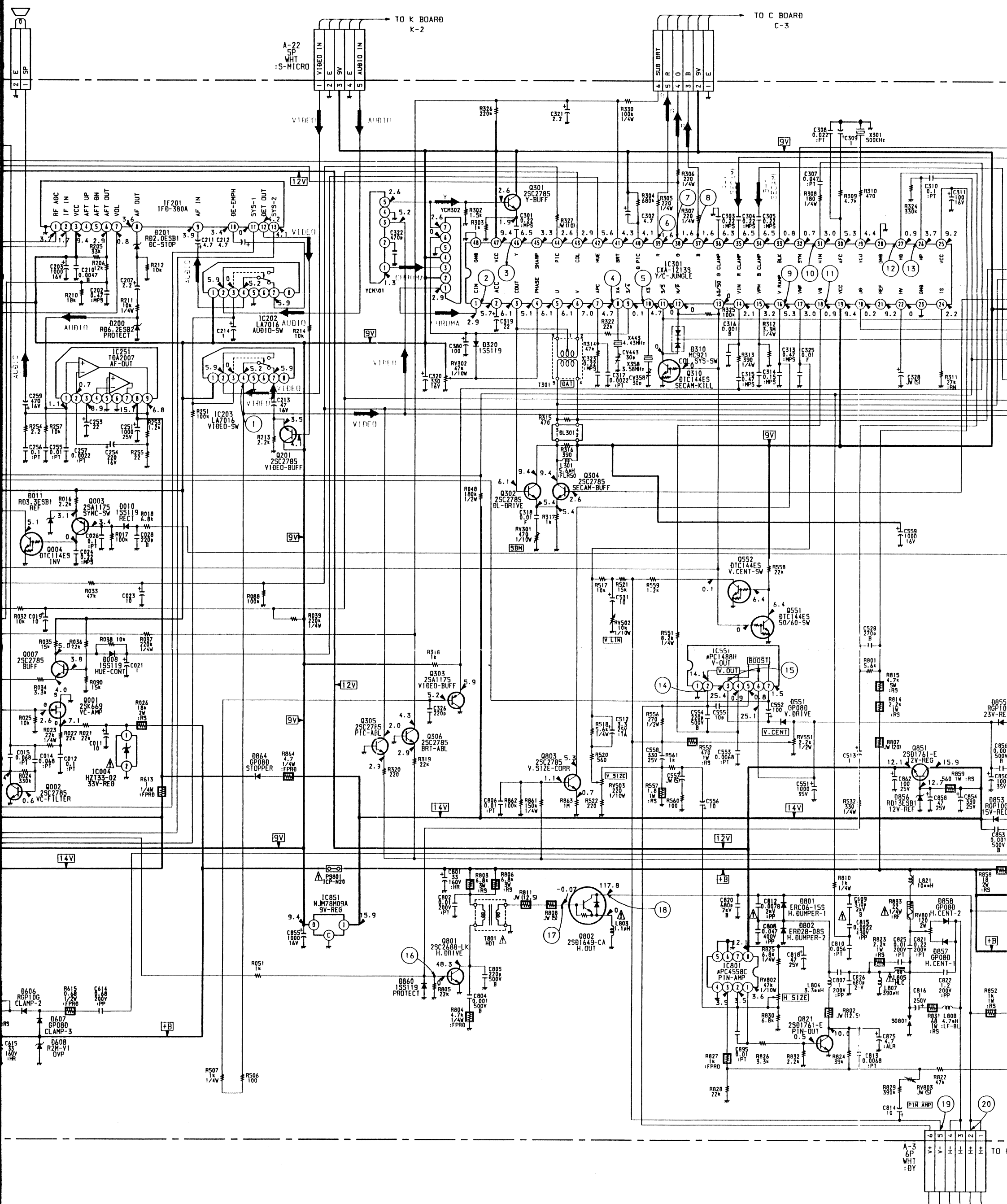
- A-6:** 3P, WHT, MINI.
- A-5:** 2P, WHT, MINI.
- A-4:** 3P, WHT.

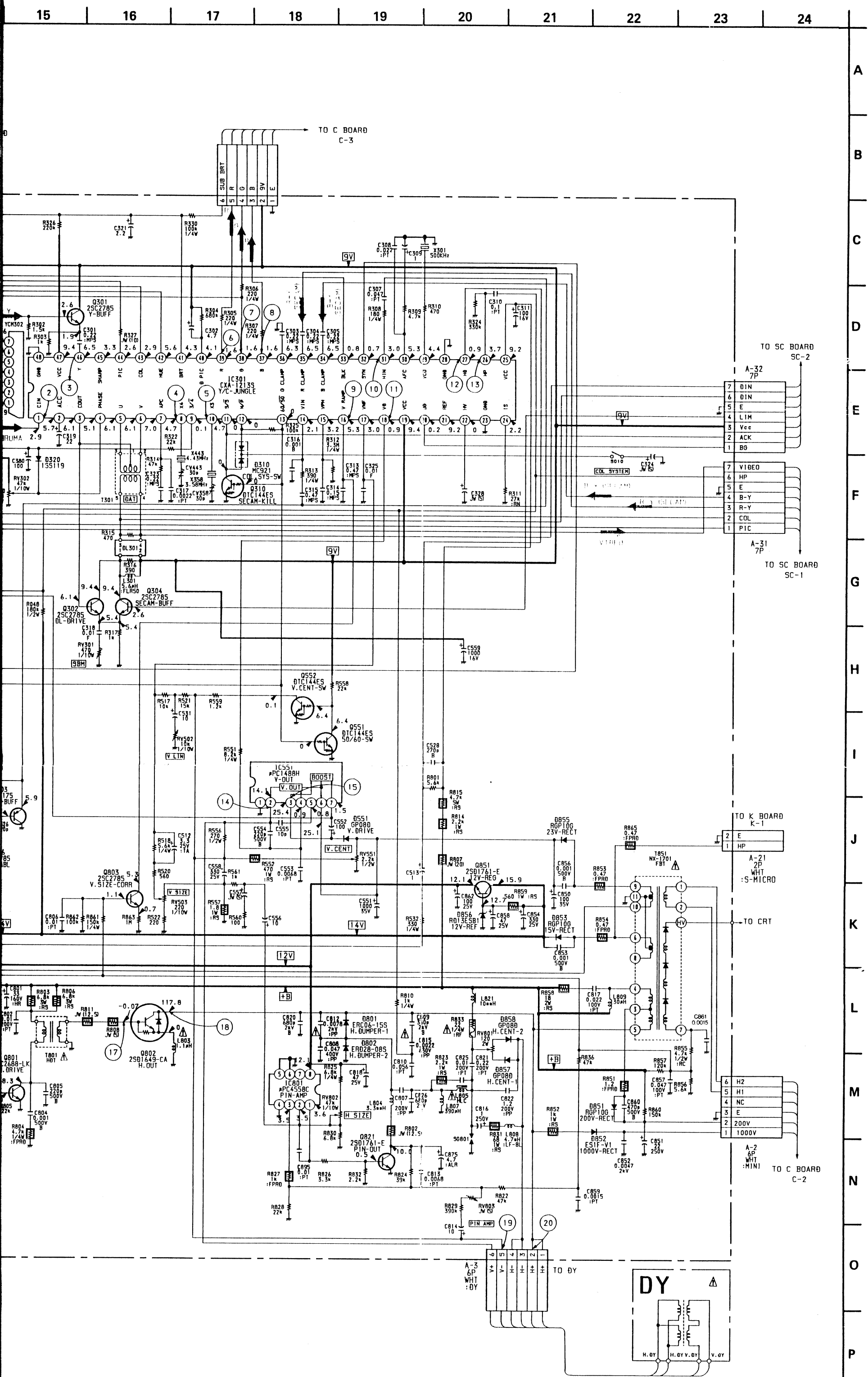
Other Components:

- R601:** 470 1/4W, connected to the IC003.
- R602:** 470 1/4W, connected to the IC003.
- R603:** 470 1/4W, connected to the IC003.
- R604:** 470 1/4W, connected to the IC003.
- R605:** 470 1/4W, connected to



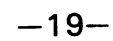
A (Y/C JUNGLE, H/V DEF
AF-OUT, MEMORY, BAND SW
μ-CONTROLLER, POWER)





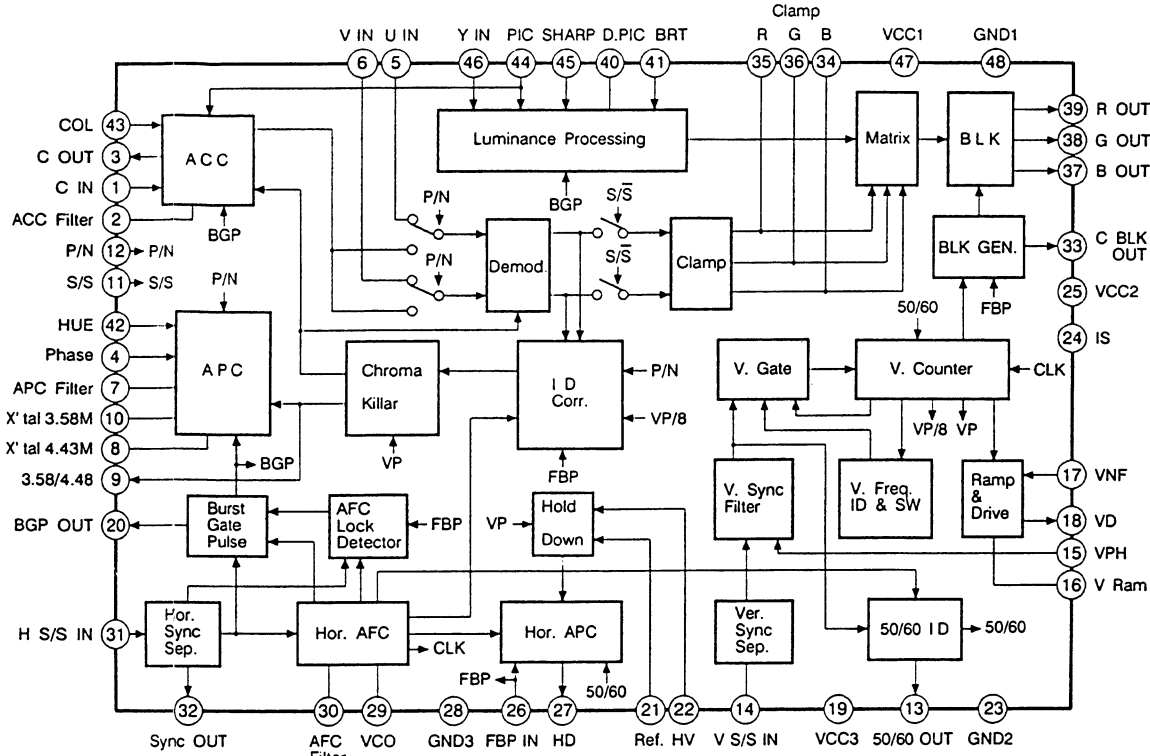
A

A



IC		DIODE		DELAY LINE
IC001	C-9	D008	B-6	DL301 B-1
IC002	B-7	D010	B-5	
IC003	A-8	D011	B-6	
IC004	C-8	D013	A-9	
IC005	A-9	D020	B-7	
IC202	F-3	D021	B-8	
IC203	F-3	D151	F-2	
IC251	G-3	D152	F-1	
IC301	C-3	D153	F-1	
IC551	D-5	D154	F-1	
IC601	F-9	D155	F-2	
IC801	E-4	D200	G-3	
IC851	D-2	D201	F-2	
		D310	C-3	
		D320	C-2	
		D551	D-5	
		D601	C-9	
		D602	G-8	
		D604	G-10	
		D605	F-10	
		D606	G-9	
		D607	G-9	
		D608	G-9	
		D801	D-6	
		D802	D-6	
		D851	F-8	
		D852	F-8	
		D853	G-7	
		D855	E-6	
		D856	E-1	
		D857	G-5	
		D858	G-5	
		D860	D-8	
		D864	G-3	
TRANSISTOR				
Q001	C-8			
Q002	C-7			
Q003	B-5			
Q004	B-6			
Q005	A-7			
Q006	B-8			
Q007	C-6			
Q151	F-1			
Q153	F-1			
Q154	F-1			
Q201	G-3			
Q202	B-5			
Q301	D-1			
Q302	B-3			
Q303	B-4			
Q304	B-2			
Q305	A-5			
Q306	B-5			
Q31Q	C-3			
Q551	A-4			
Q552	A-5			
Q801	D-7			
Q802	E-7			
Q803	A-4			
Q821	F-3			
Q851	E-1			
		VARIABLE RESISTOR		
		RV001	A-8	
		RV301	B-4	
		RV302	B-3	
		RV502	D-6	
		RV503	E-4	
		RV551	D-5	
		RV801	G-5	
		RV802	F-4	

• A BOARD IC301 CXA1213S



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

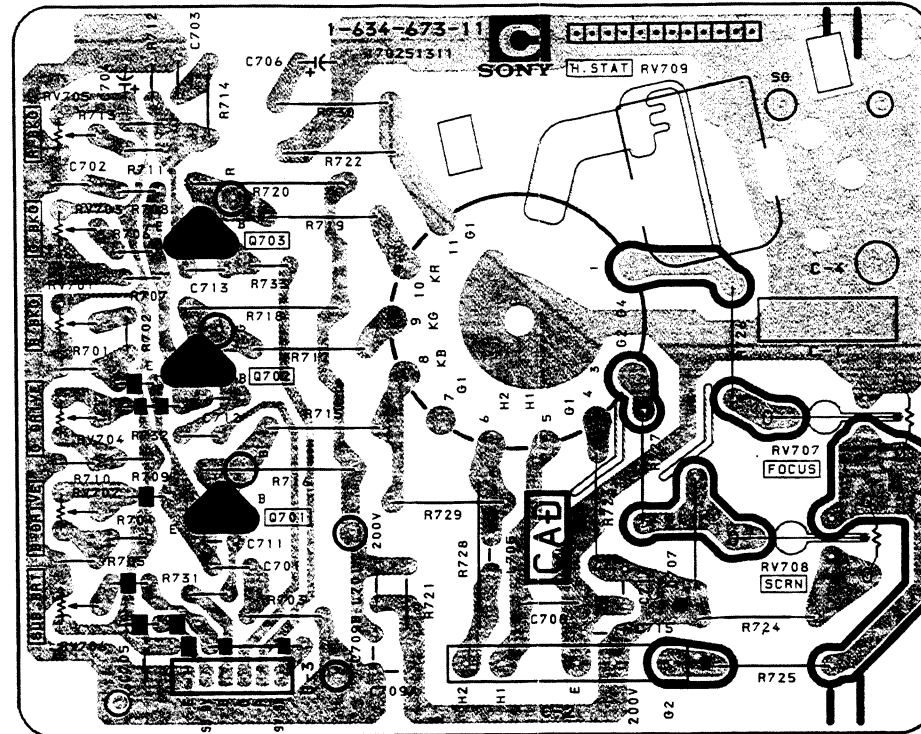
J

PRINTED WIRING BOARD (2)

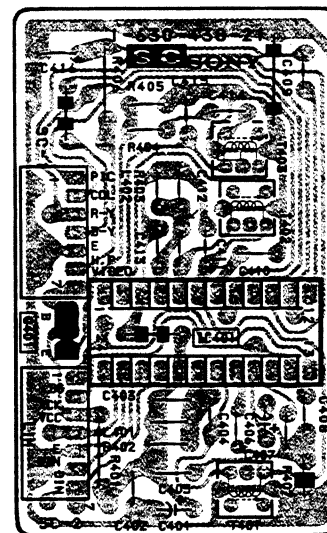
—CONDUCTOR SIDE—

C [R · G · B OUT] **SC** [SECAM] **K** [ANT, AUDIO VIDEO INPUT]

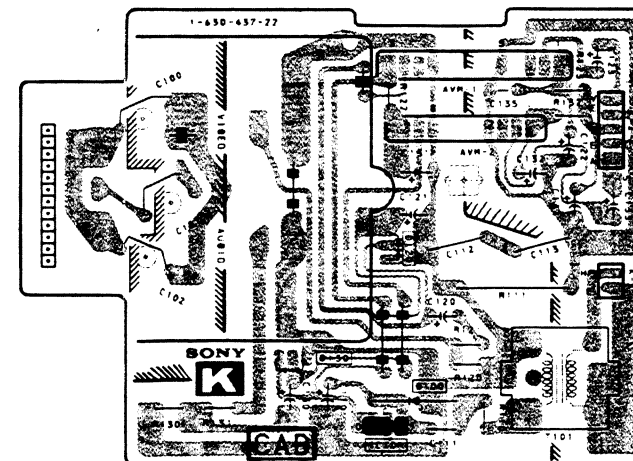
—C BOARD—



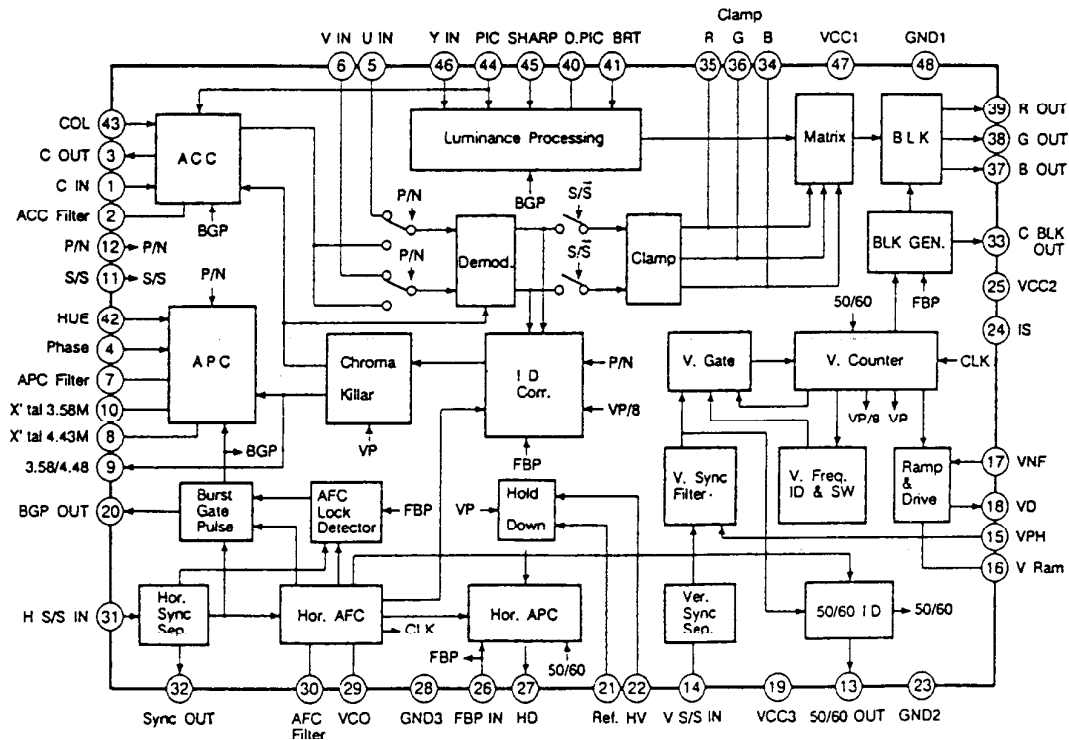
—SC BOARD—



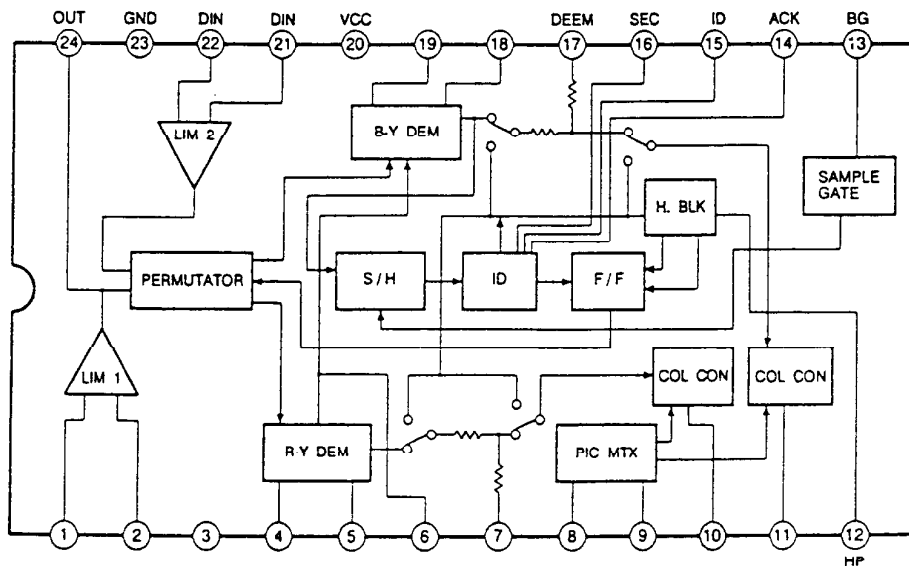
—K BOARD—



A BOARD IC301 CXA1213S



A BOARD IC401 CXA1214P



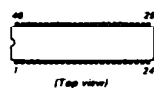
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

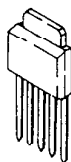


5-5. SEMICONDUCTORS

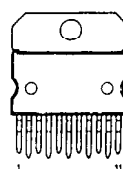
CXA1213S



L78LR05D-MA



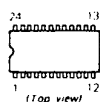
TDA2009A



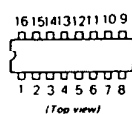
DTC124EK
2SA812-T1-M5M6



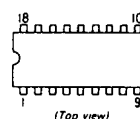
CXA1214P
TD6600-2



MC14052BCP
TDA8444



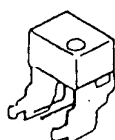
TDA2595-V9



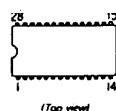
2SA1175-HFE
2SA1309A-QTA
2SC2785-HFE
2SC3311A-QRSTA



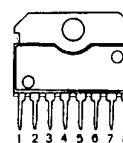
KEY-C00SV



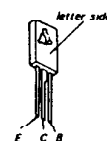
MC14066BCP
MC33079P



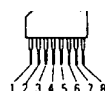
μ PC1498H



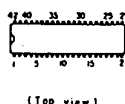
2SA1220A-P
2SC2611
2SC2688-L



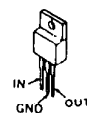
LA7016



PCA84C840P/054



μ PC7812H
μ PC7893HF



2SA1221-L
2SB734-2
2SC2958-L
2SD774-3



LM393P
RC4558P
ST24C02AB1
TEA2031A
TBA129



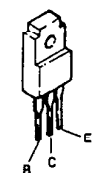
RC78L09A



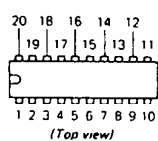
DTA114ES
DTA144ES
DTC114ES
DTC124ES
DTC143TS
DTC144ES
2SC3327-AB



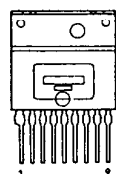
2SA1306A-Y
2SC3298A-Y



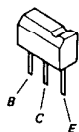
LM1036N



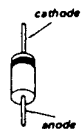
STR-S5741



2SC1652-P

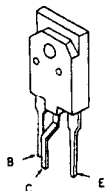


ERD29-08J

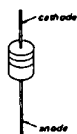
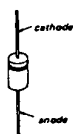


HZT33-02TE
RD10ES-B2
RD10ES-B3
RD11ES-B
RD13ES-B2
RD13ES-B3
RD30ES-B2
RD39ES-B
RD5.1ES-B2
RD5.6ES-B2
RD6.2ES-B2
RD6.8ES-B3
RD7.5ES-B1
RD7.5ES-B3
RD9.1ES-B2
RD9.1ES-B3
1SS119

2SC4927-01



EU2Z-V1
ES1F-N
GP08DPKG23
RGP10GPKG23
R2K-V1
WG713A



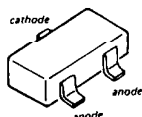
2SK669



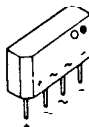
MC921



1S2837



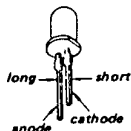
D4SB60L-F



MC932



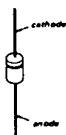
SEL1222R-C, D



SLR-932A



D5LC20U
EGP30GL-6072
ERC06-15S
RU-1P
RU4ALF




RBV-406H



SECTION 6 EXPLODED VIEWS

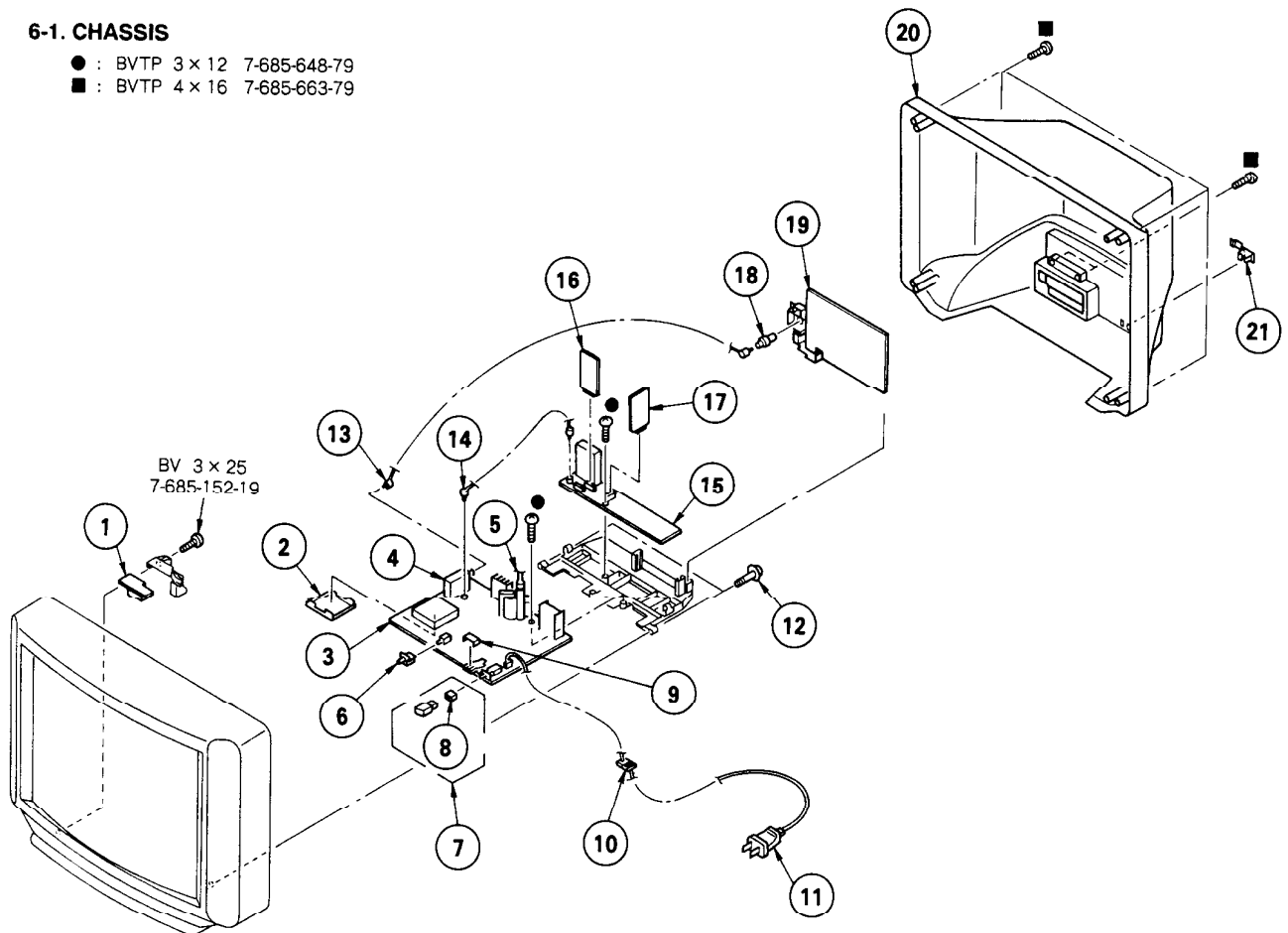
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

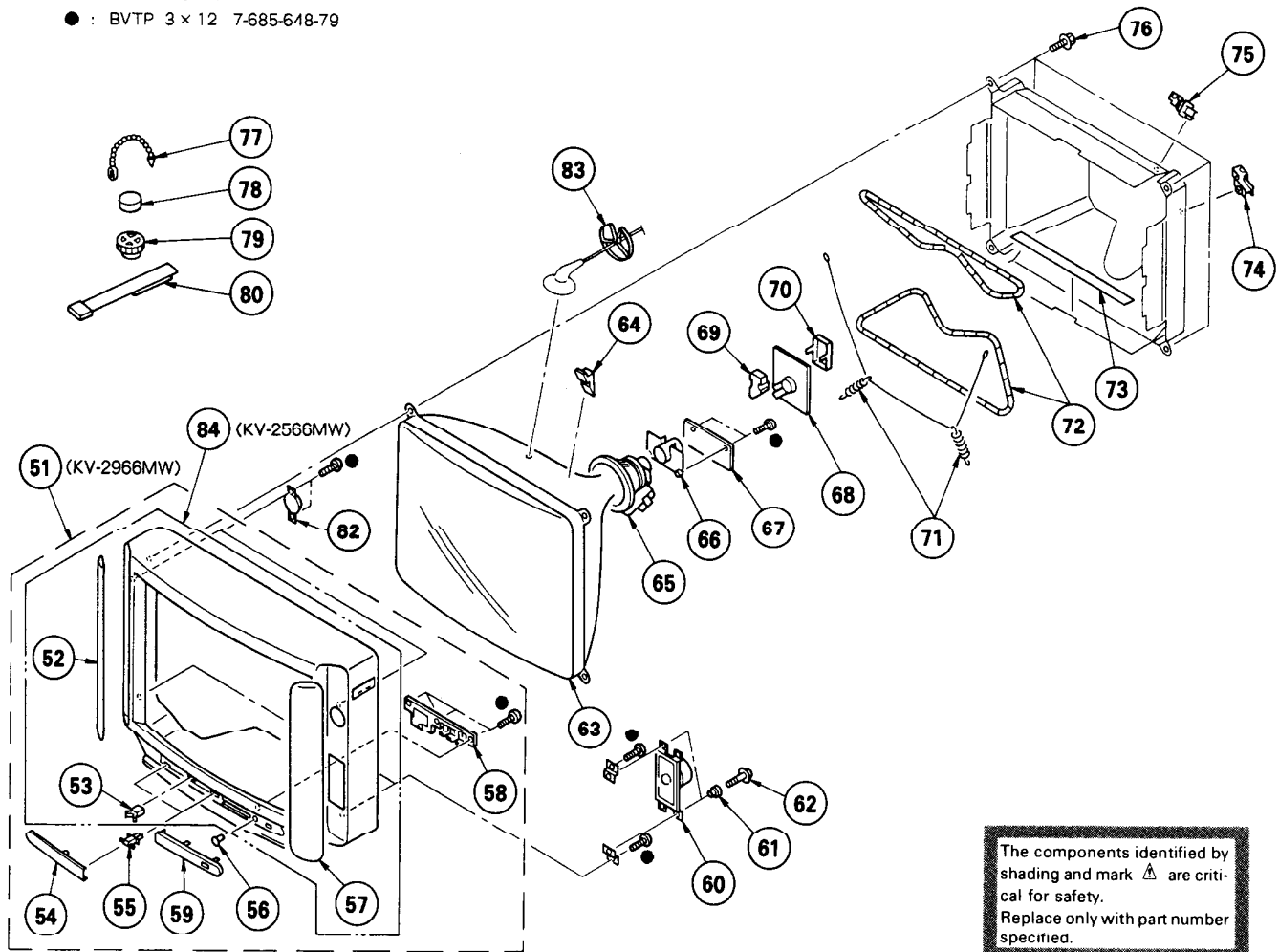
6-1. CHASSIS


- : BVTP 3 × 12 7-685-648-79
- : BVTP 4 × 16 7-685-663-79



6-2. PICTURE TUBE

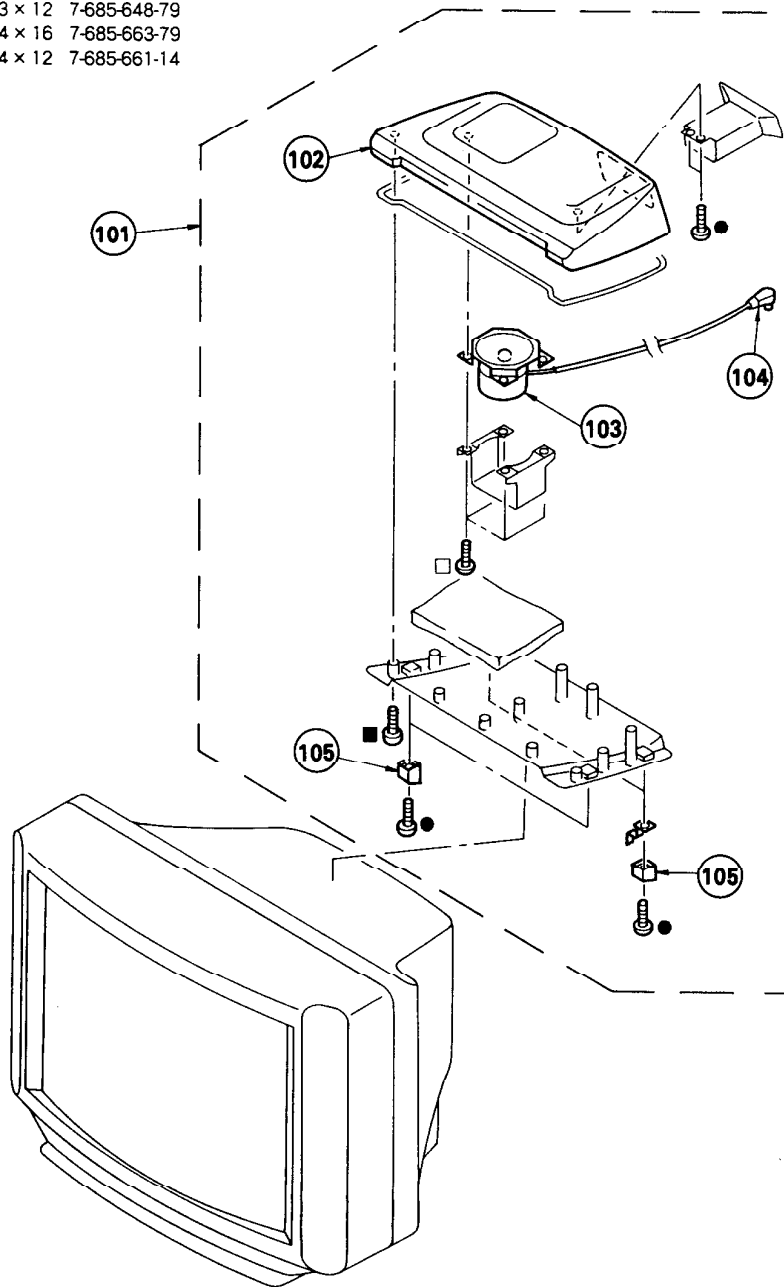
● : BVTP 3 × 12 7-685-648-79



The components identified by shading and mark  are critical for safety. Replace only with part number specified.

6-3. SPEAKER

- : BVTP 3 × 12 7-685-648-79
- : BVTP 4 × 16 7-685-663-79
- : BVTP 4 × 12 7-685-661-14



索尼 KV-2966M1

(POWER SUPPLY, IF BLOCK)

H (AUDIO IN)

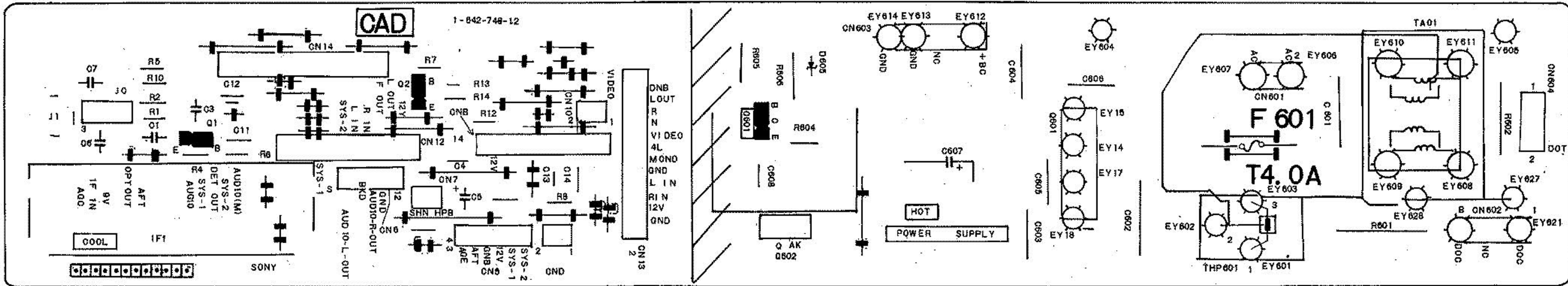
AS [AUDIO SW]

J1 [AUDIO SW]

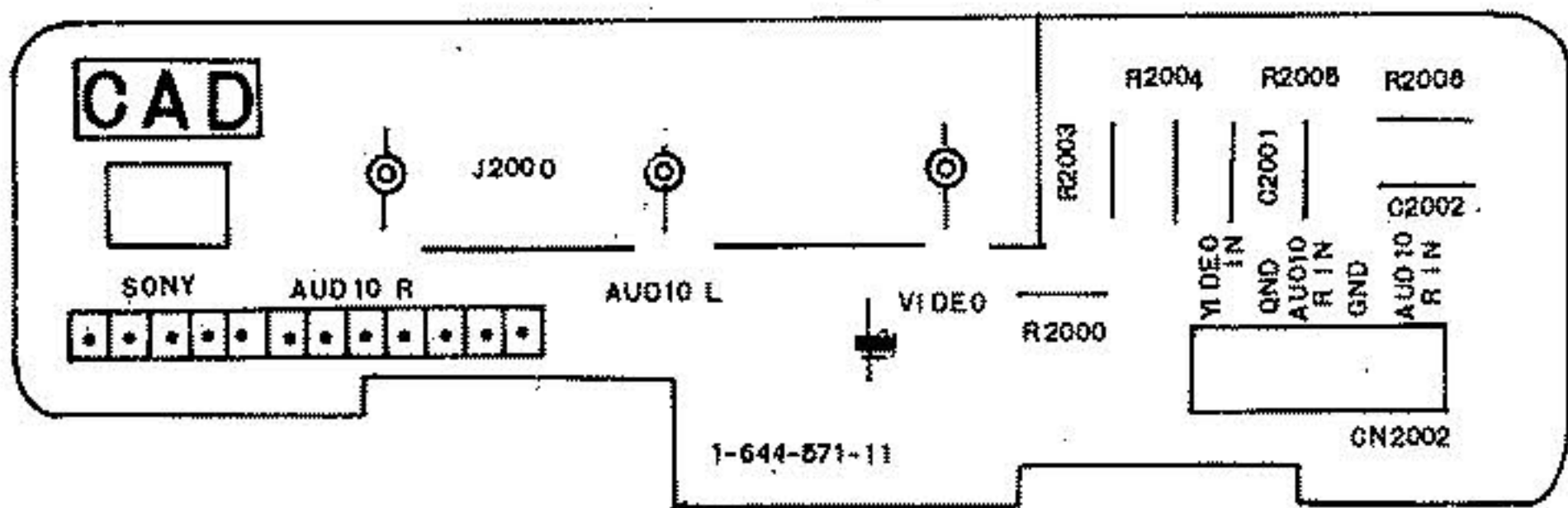
J2 (AUDIO BUFFER)

K (AUDIO POWER AMP, VOL CONTROL,
SURROUND AMP, AUDIO SW, VIDEO SW)

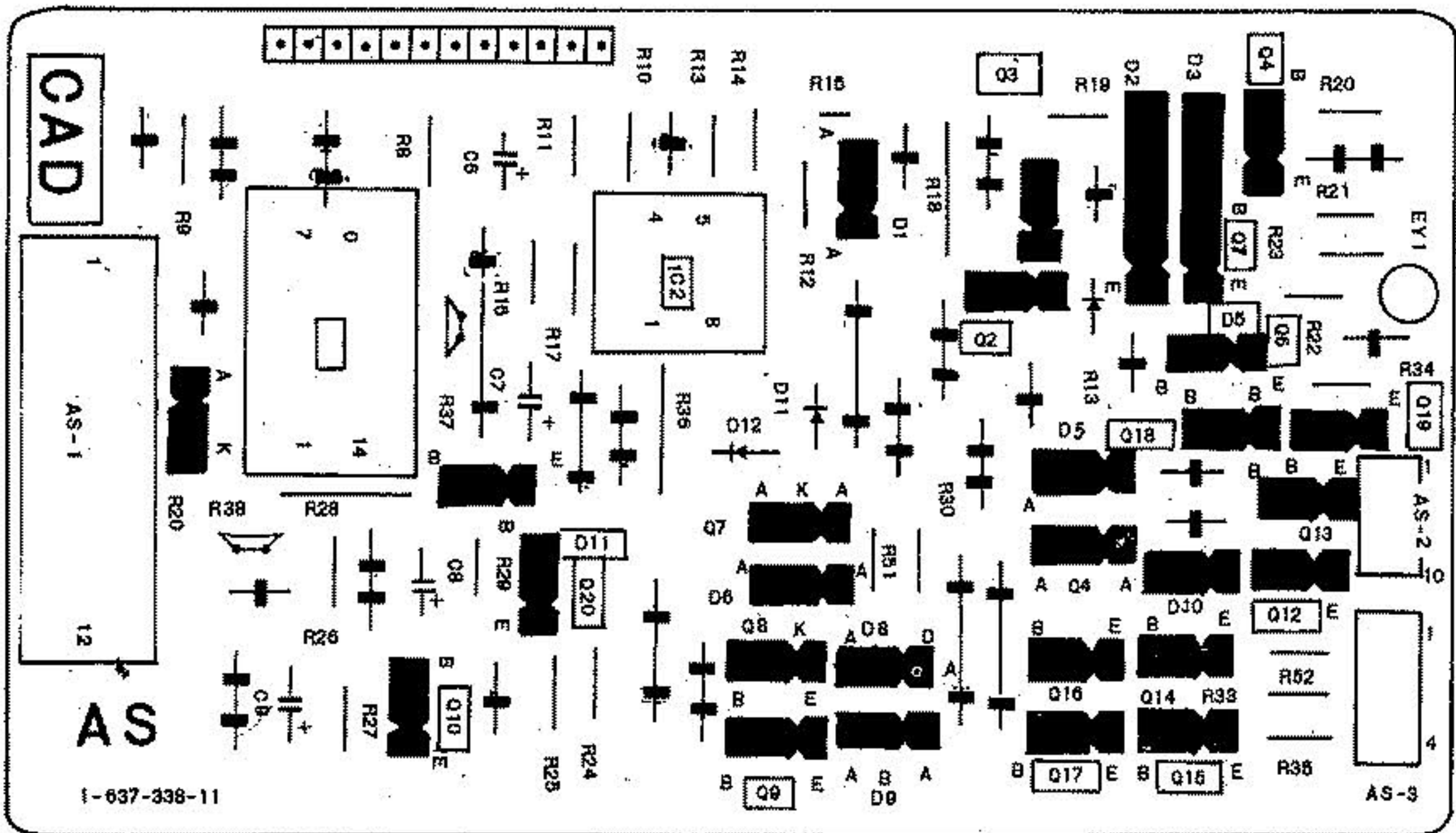
F Board



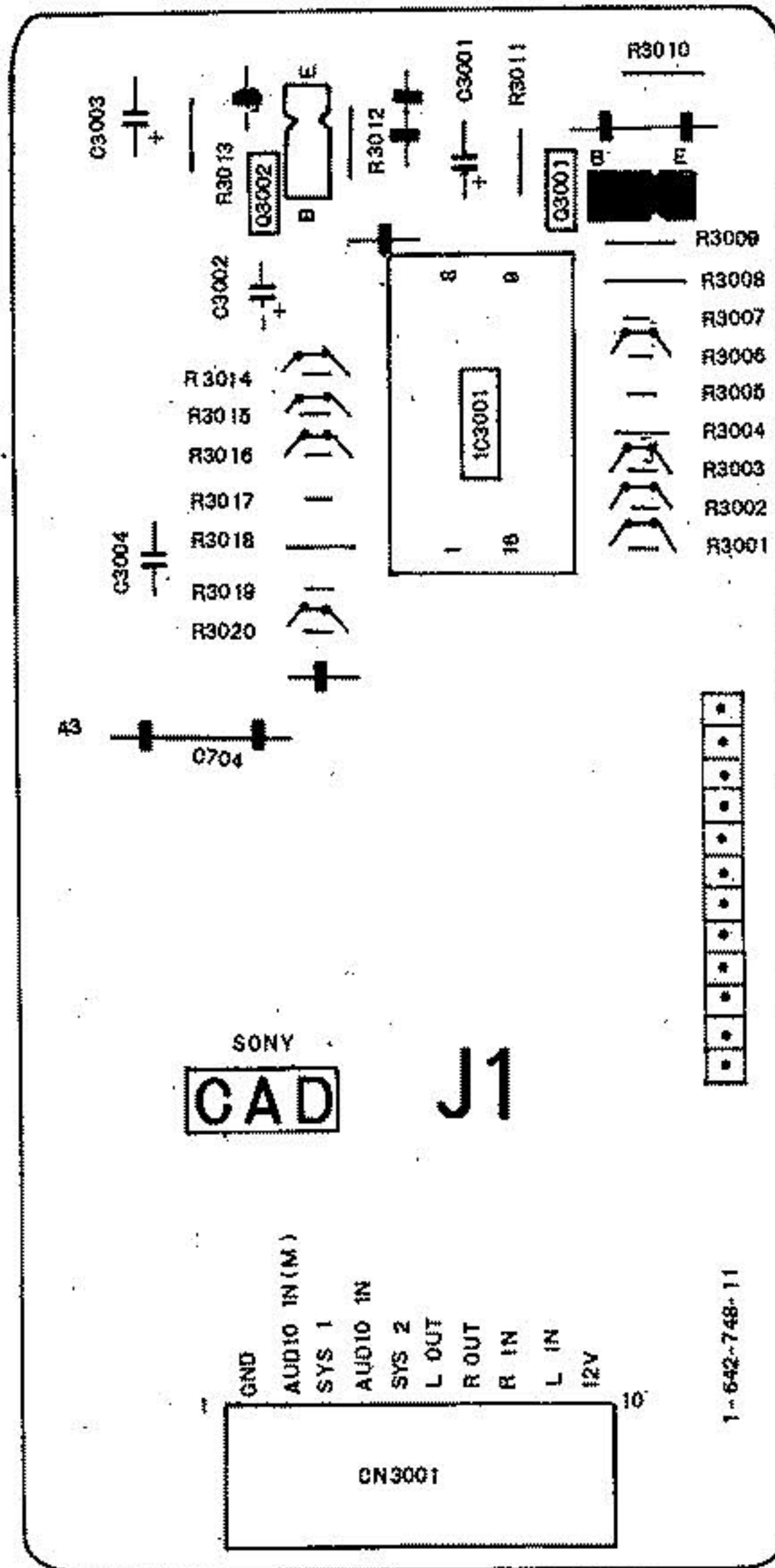
H Board



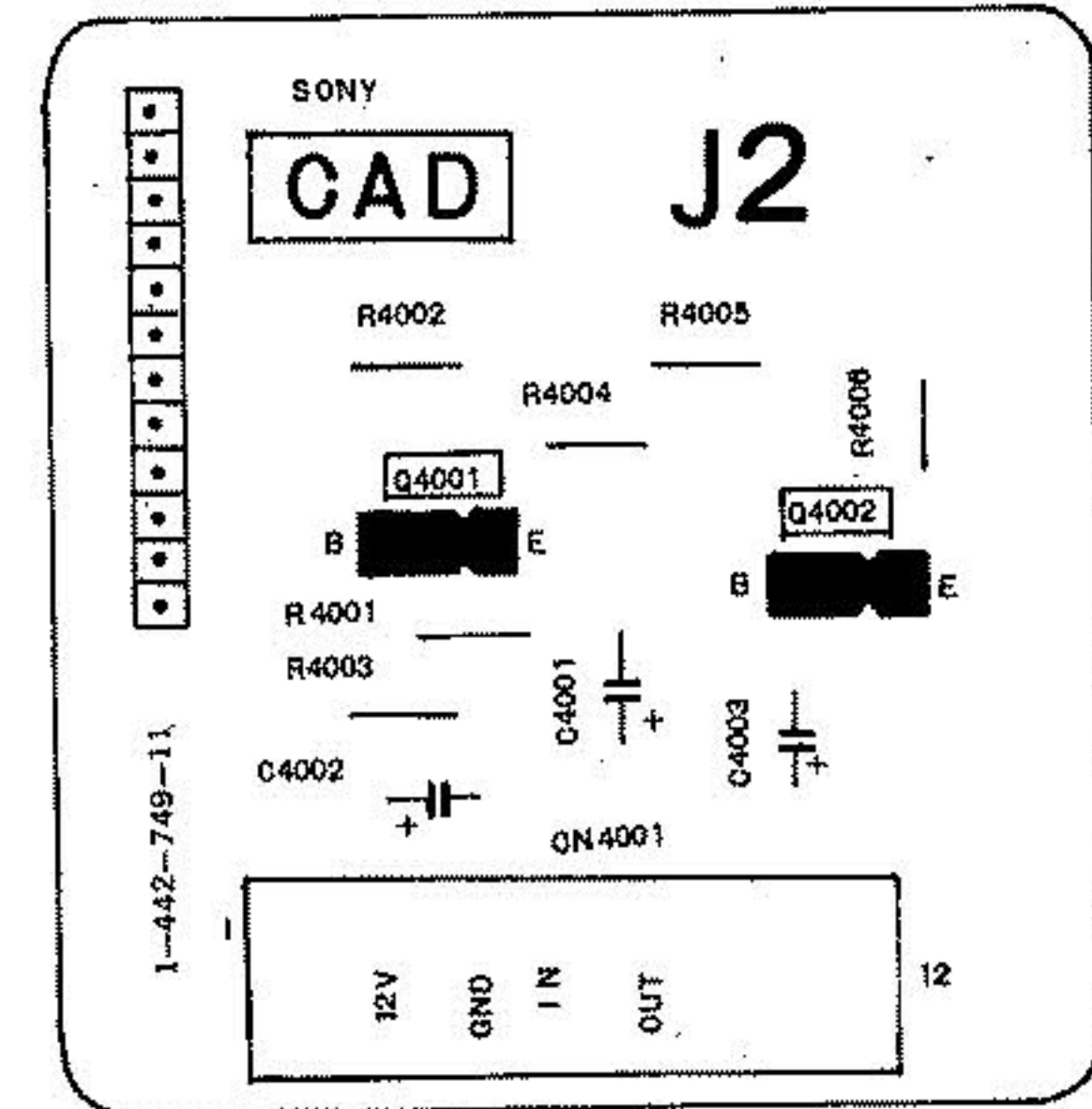
AS Board

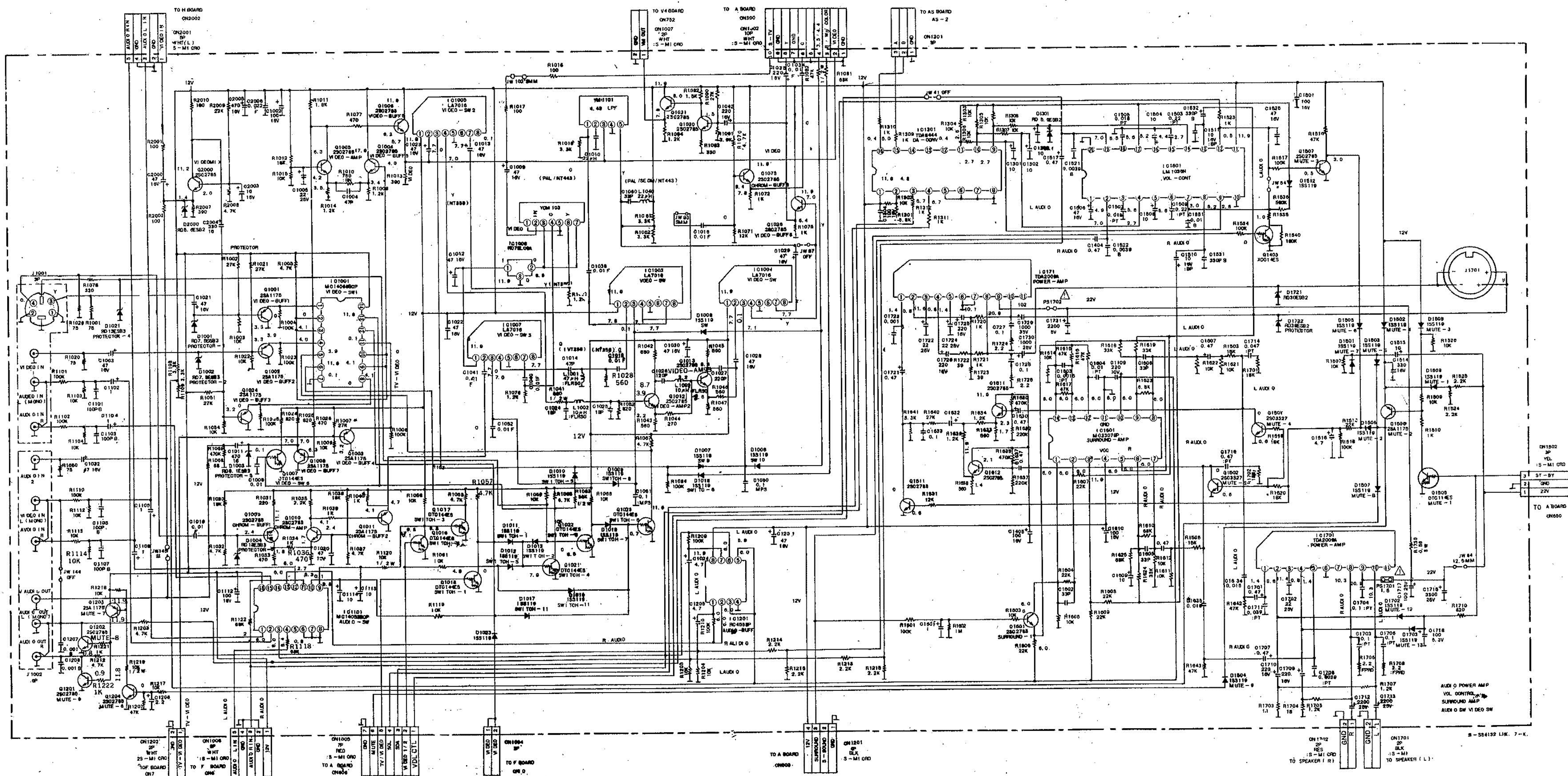


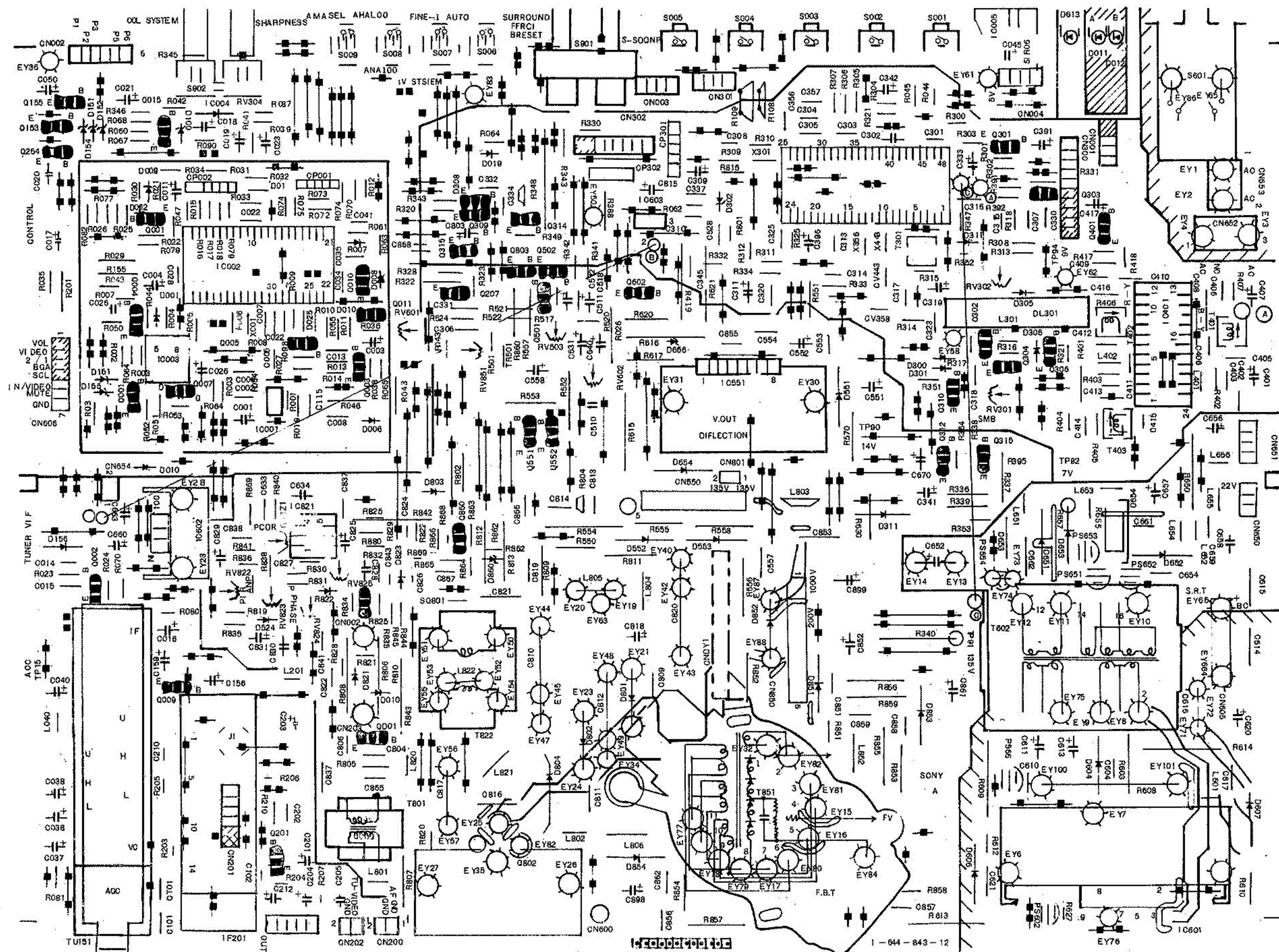
J. Board

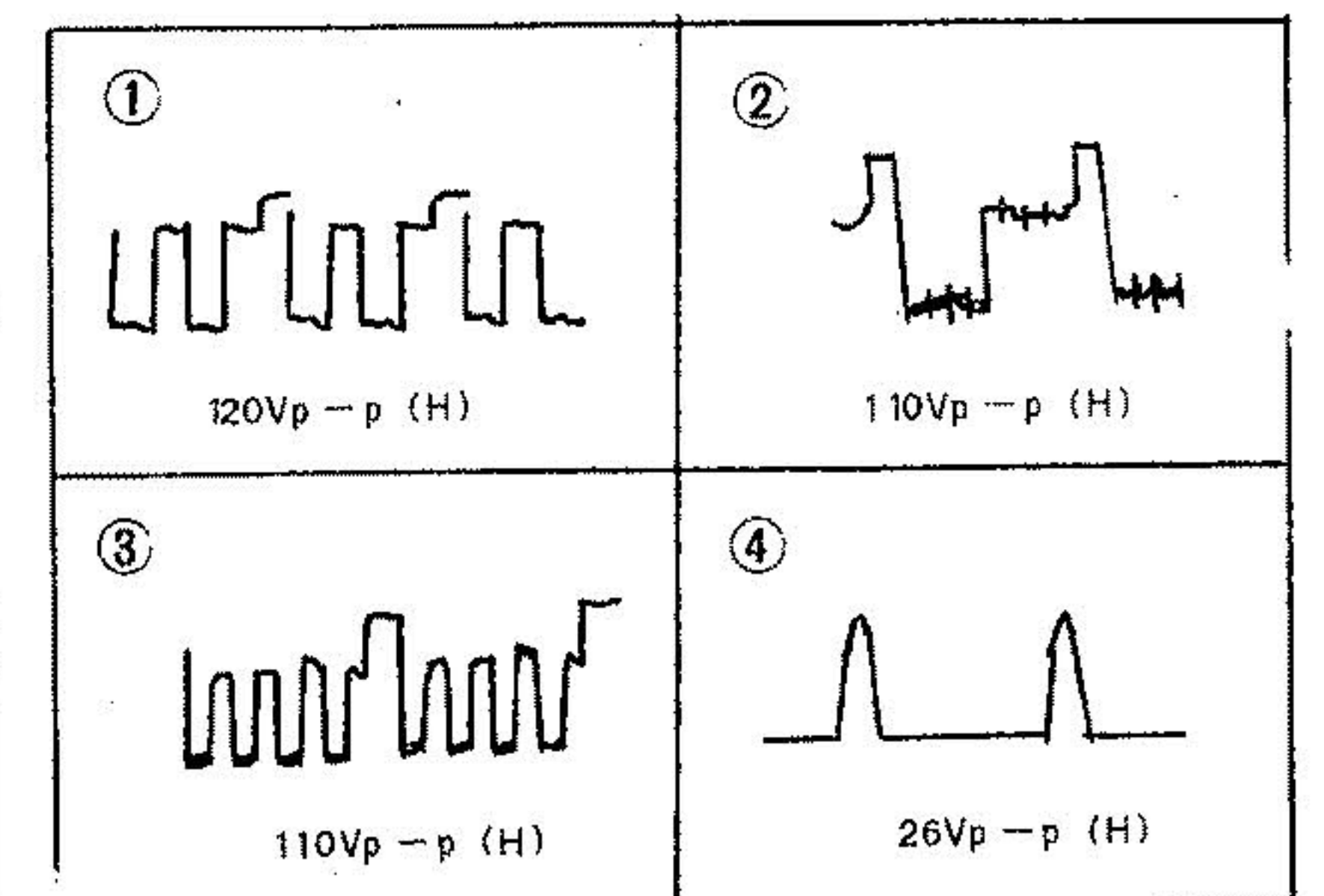
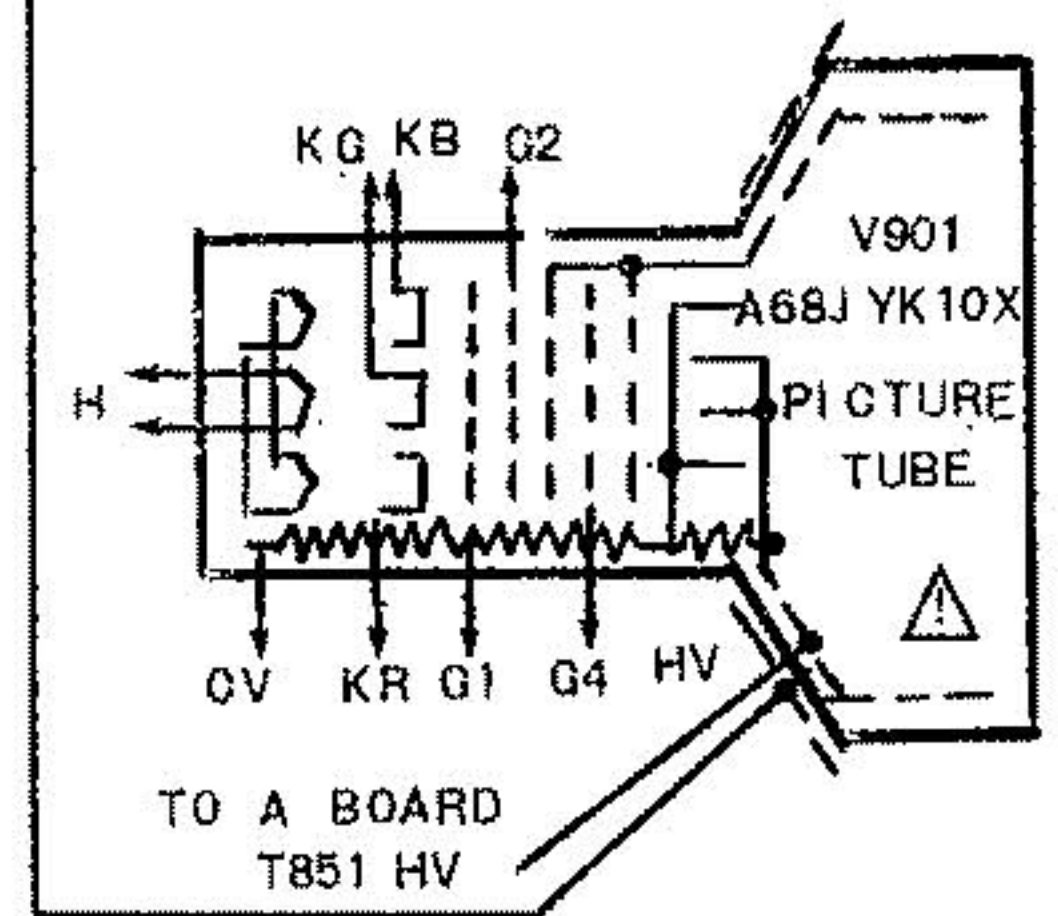
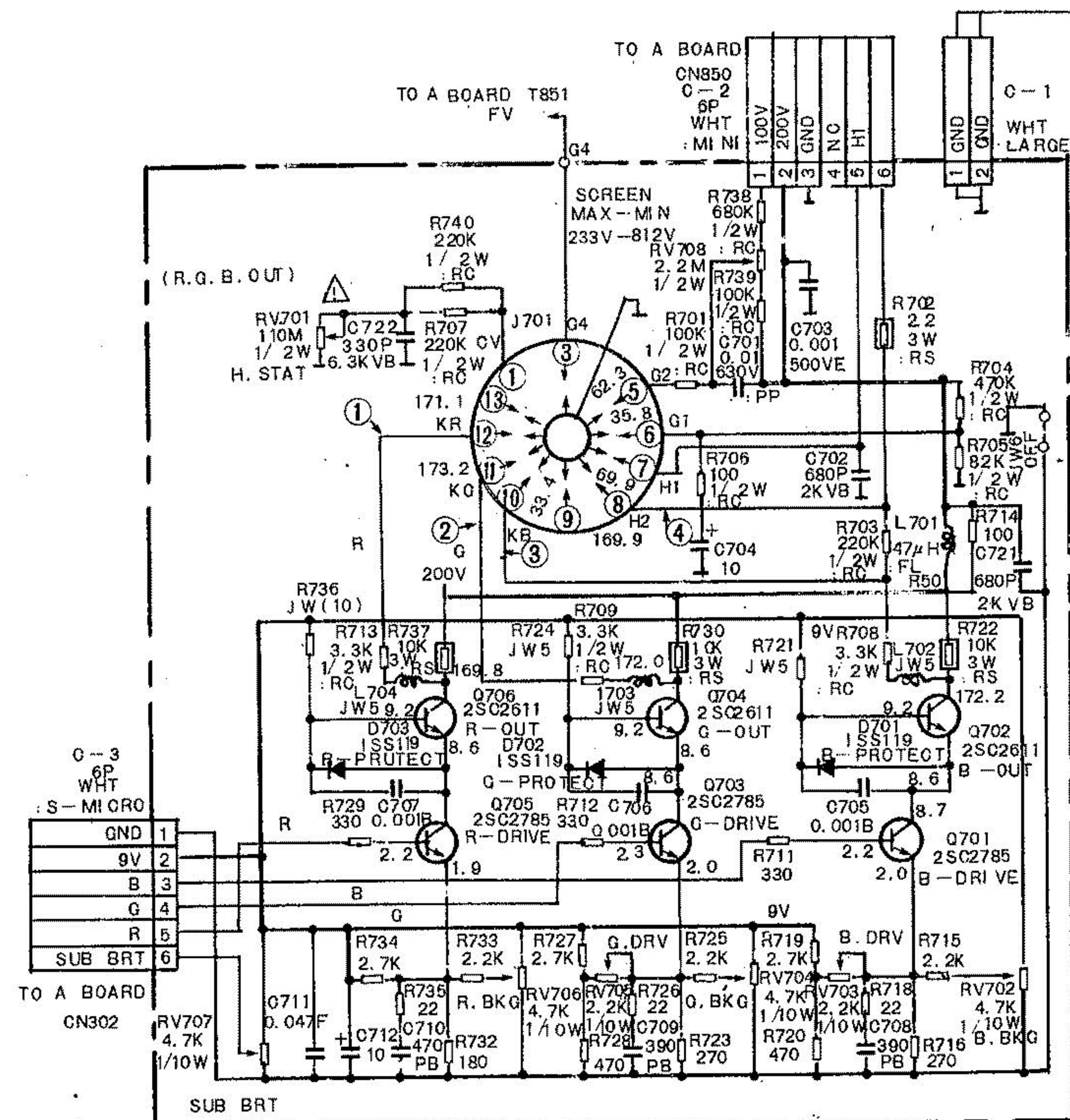
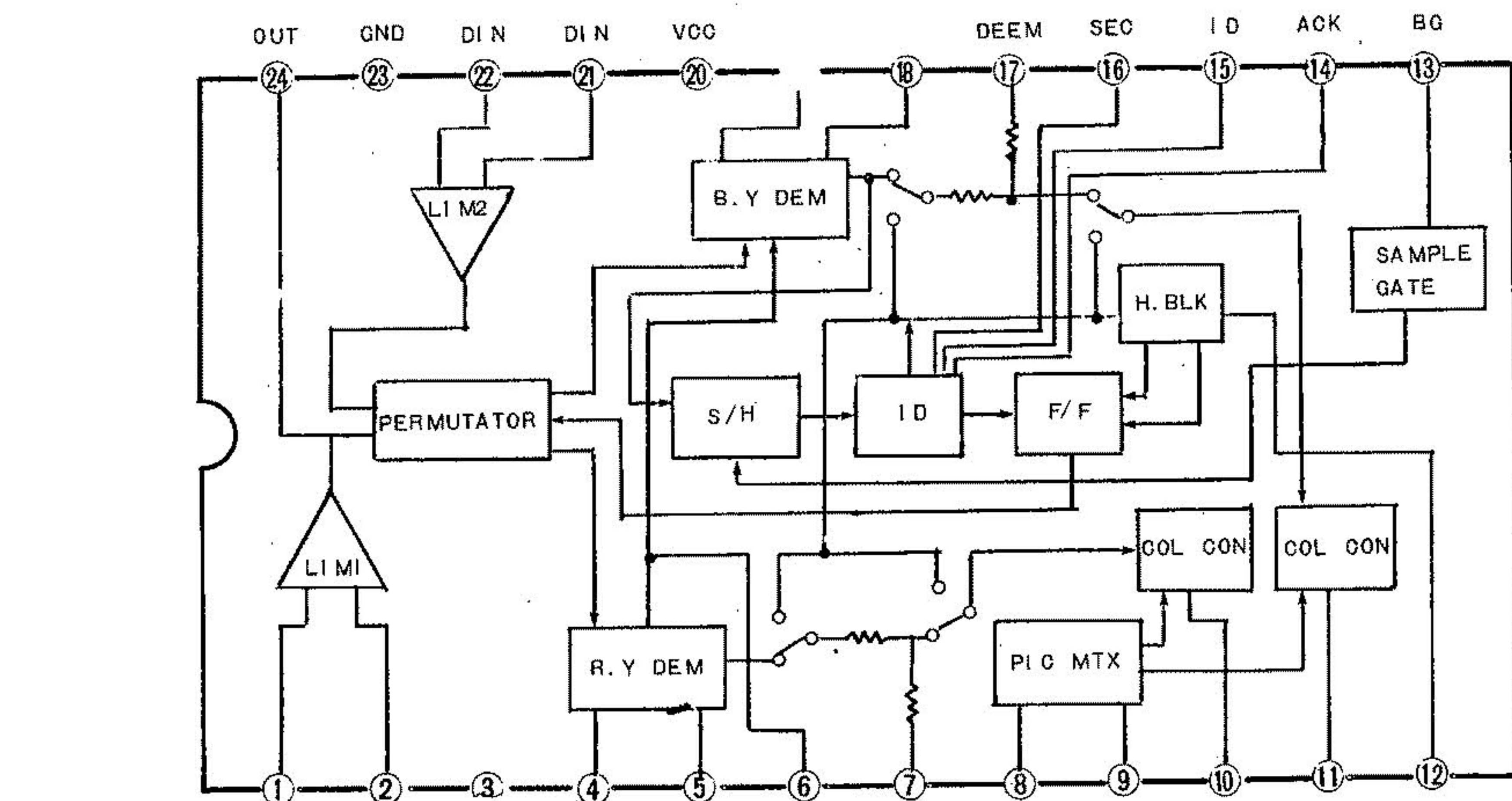


J2. Board

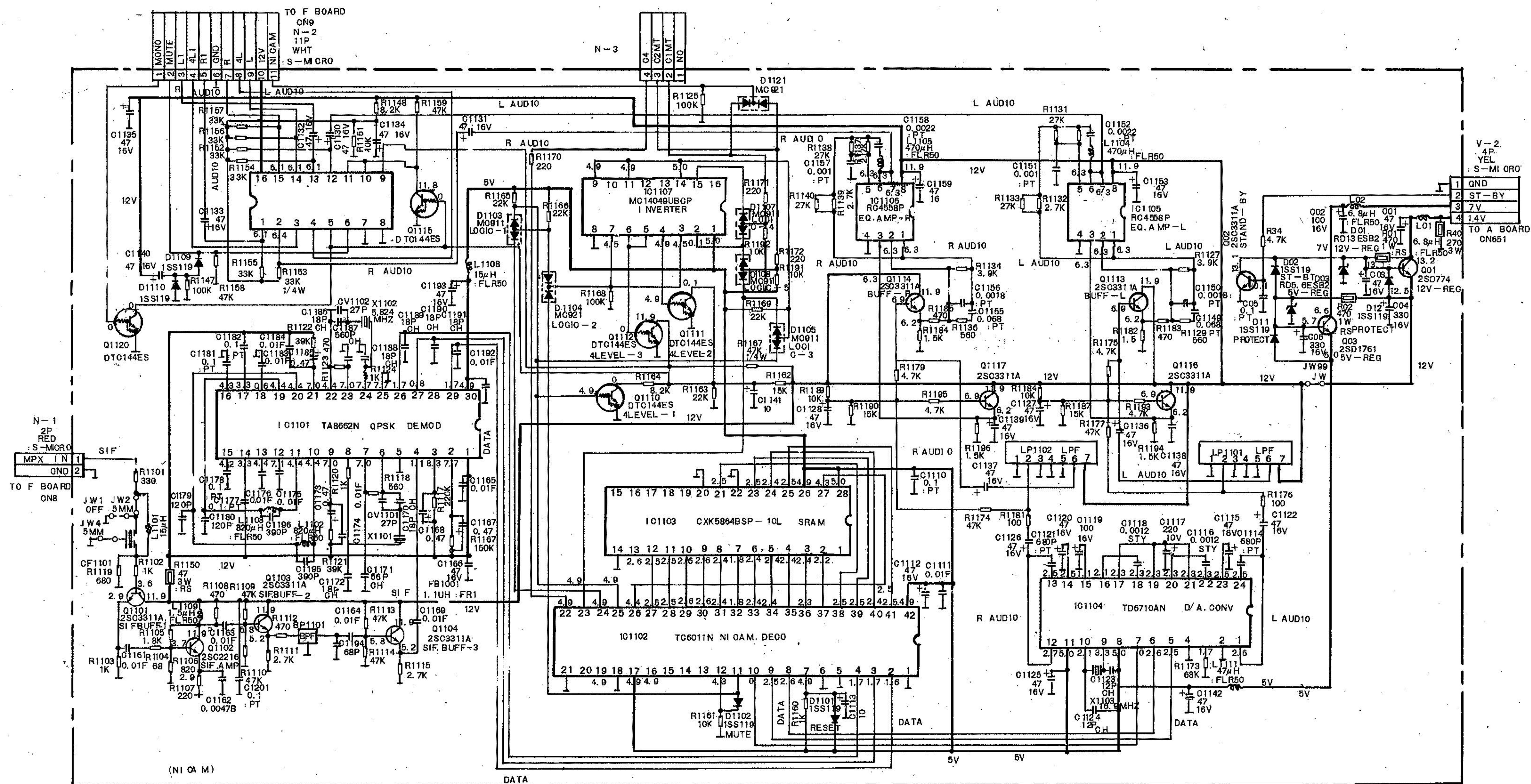








B — SS4132 (HK.) — C.



K BOARD WAVEFORMS

